


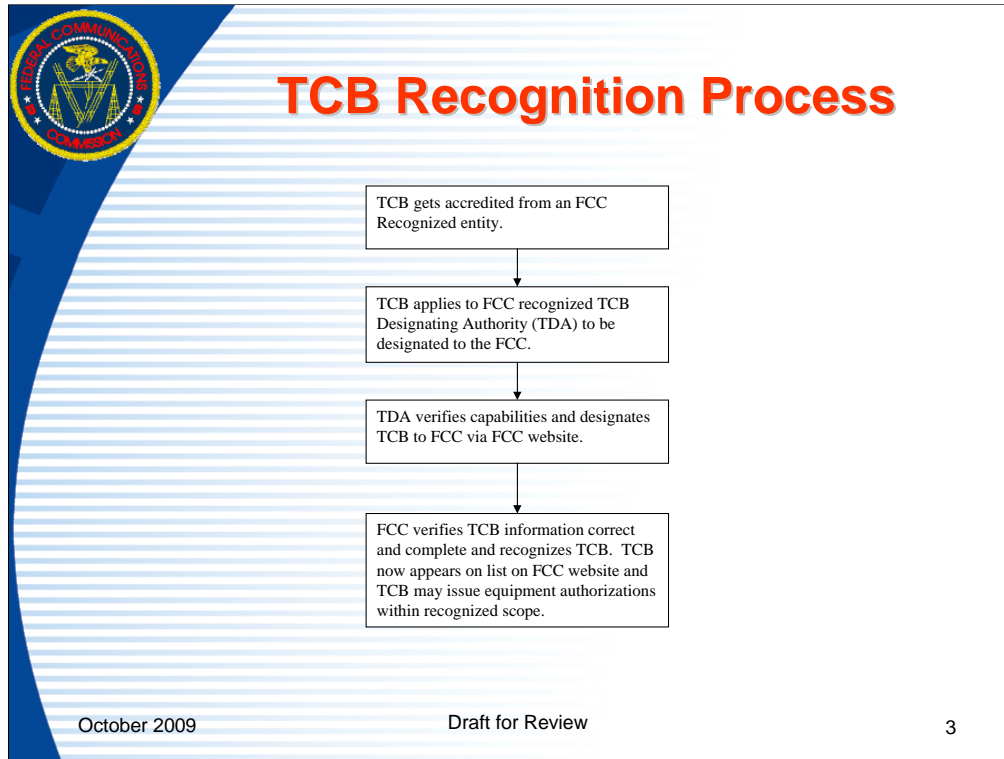
This presentation shows screen images of the TCB electronic filing system website and provide general information on the electronic filing system from the TCB user perspective. It includes information about publicly accessible pages and pages requiring logins and passwords as TCB Designating Authorities and Test Firm Accrediting Bodies



Overview

- Process Overview
- Accessing FCC E-filing sites
- TCB Login Site
- TCB pre-login Site

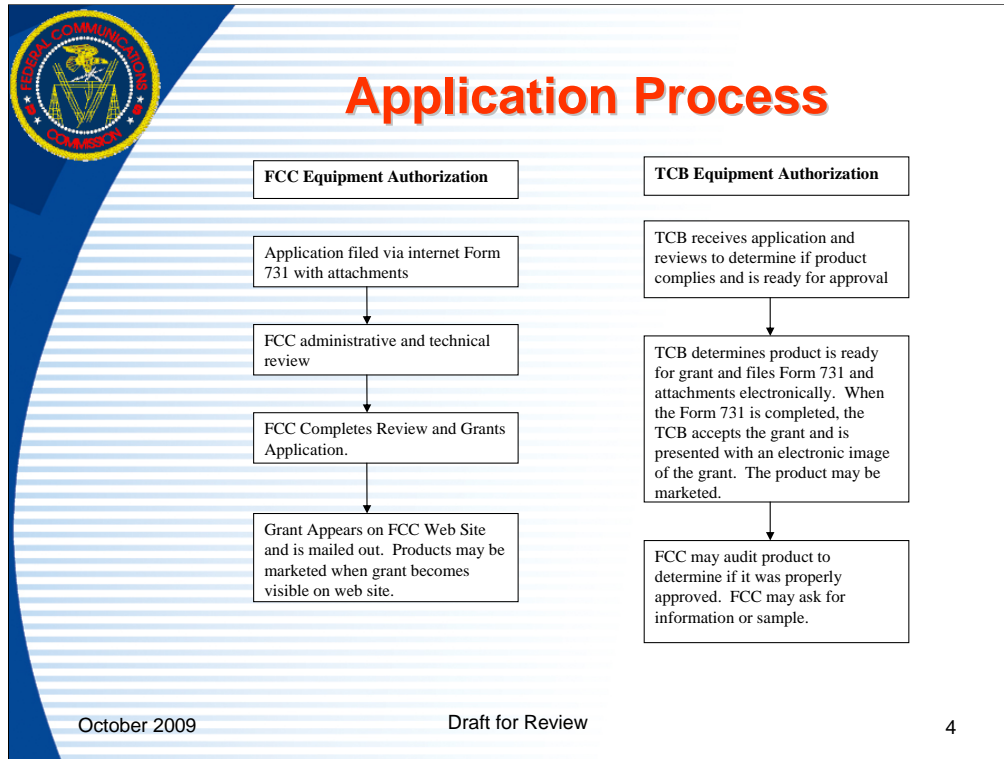
October 2009 Draft for Review 2



TCB Electronic filing has been operating since June 2000. There are currently 34 TCB's located in the US, Canada, Singapore and the EU. Approximately 10,000 TCB applications are submitted annually. About 96 % of the total applications are submitted through TCBs.

47 CFR 2.960 and 2.962 of the FCC Rules cover the TCB process and allow the FCC to recognize TCB's which are accredited by recognized programs. This process begins when the FCC is informed that an entity is capable of accrediting and designating a TCB to the FCC. The FCC then enters the Accreditor and TCB Designating Authority information into a FCC database and recognizes the entities. The Accredited body and TCB Designating Authority may then accredit and designate and enter TCB's in the Commissions database via the Internet. When a TCB has a new scope entered, the FCC reviews the information submitted by the TCB Designating Authority and once all required information is submitted the FCC lists that TCB's scope on the Internet and the TCB may begin approving equipment.

The TCB's issue equipment authorizations by going to a FCC Internet site and clicking on the "TCB Login" link. Entering a valid login and password will allow the TCB to complete an electronic Form 731 and access some additional links and searches that are not available to the general public.



This slide shows a comparison of the processes where TCBs and the FCC issue grants of equipment authorization. Both processes are completed via the Internet. Both processes require a Form 731 to be completed and attachments to be uploaded.

In the FCC equipment authorization process when an application is received the FCC begins an administrative and technical review. The initial technical review typically begins about 45 days after receipt. If there are no questions and a sample is not requested the grant of Certification will be issued at that time. For applications that the FCC approves a fee is required to be submitted before the grant is issued.

In the TCB equipment authorization process the TCB reviews the information and determines if it complies with the FCC requirements. When the TCB determines a device is compliant the TCB completes an FCC Form 731 on the FCC website and submits all supporting information and issues the grant by completing the submission on the FCC website. The FCC does not charge TCBs to enter or complete an equipment authorization. The FCC may audit TCB equipment authorization filings and request samples or ask questions. The FCC audit happens after the grant and does not delay the equipment authorization. If the FCC audits an application within 30 days of grant and determines there is a significant problem, the FCC may set the grant aside and dismiss or deny the application.

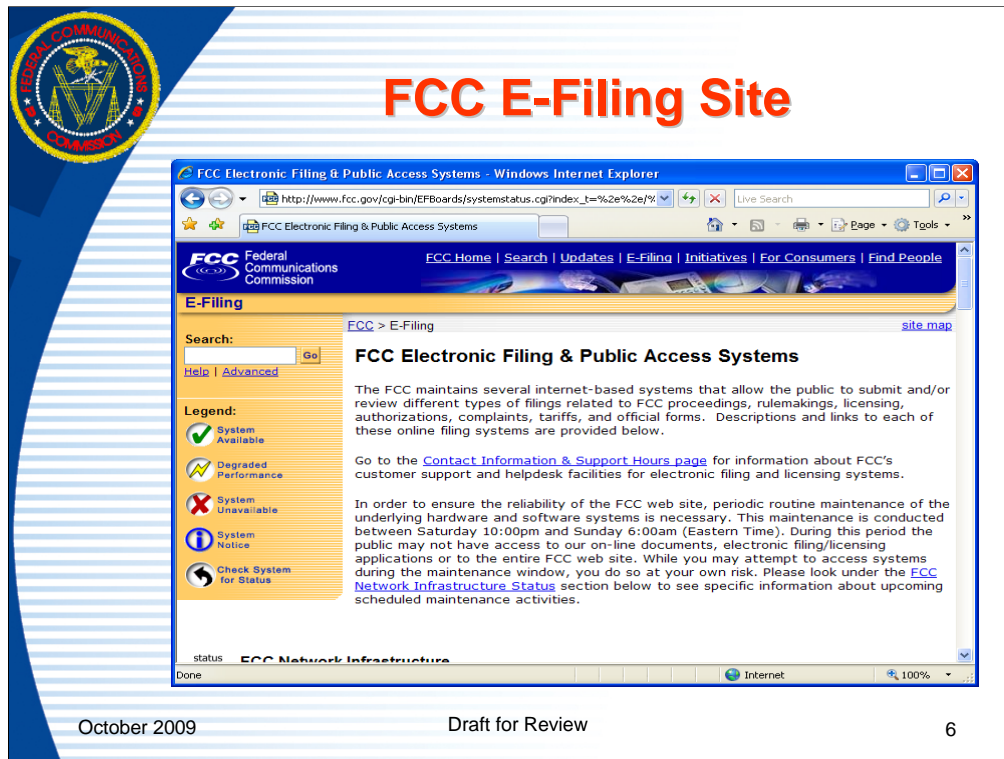


October 2009

Draft for Review

5

The site can be accessed by going to www.fcc.gov, click on e-filing, scroll down to the paragraph with the link “OET TCB/Accreditor Electronic Filing”. Click on the link for “OET TCB/Accreditor Electronic Filing”. Before clicking on the link note the status icon on the left. There are four possible status icons. A check mark means the system is operating normally. An exclamation point is for an informational message. In cases where the filing system is working properly but an associated system may be having problems, a message will be shown here. For example, the filing site is running properly but the FCC Fee collection system is not working. Since TCB applications don’t require fees this is only a problem if a new grantee code is being requested since the grantee code requires a fee. The third icon is a lightning bolt. This indicates that some part of the system is having problems. An “X” indicates that the system is unavailable. Clicking on the status icon will show a message about the system. When there is a problem indicated the message should be read to determine what the problem is and what the time frame for a resolution is.

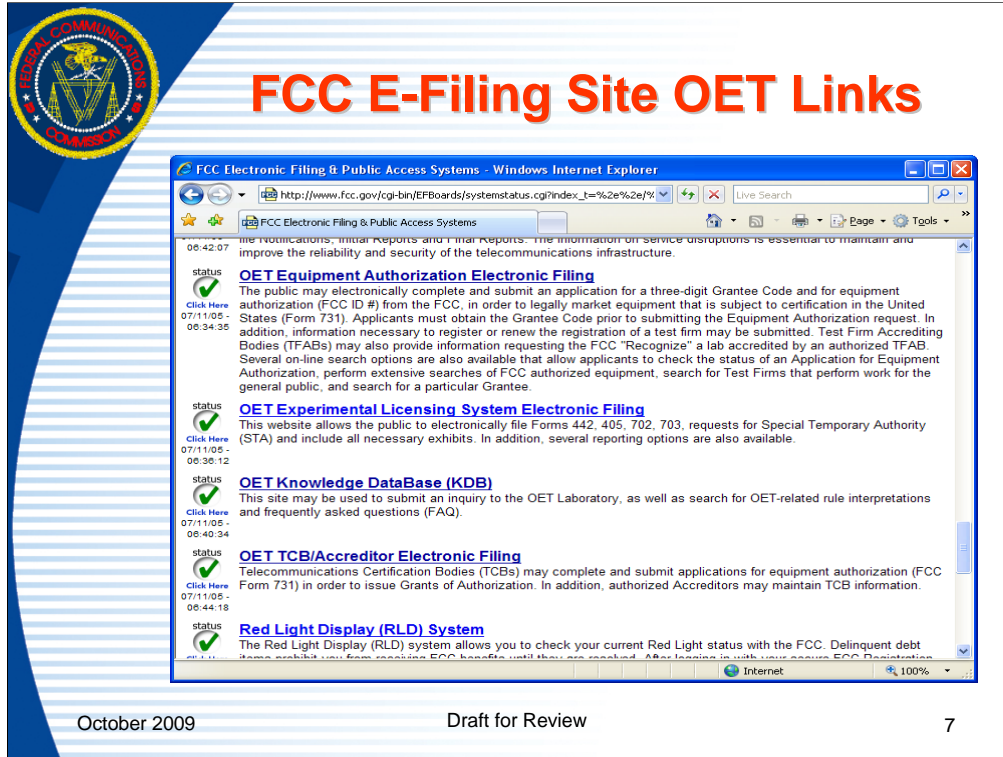


October 2009

Draft for Review

6

From the www.fcc.gov webpage after clicking on the link for “e-filing” the above page opens. On the FCC “e-filing” page scroll about 2/3 down the page to the OET grouping to see equipment authorization electronic filing sites.



FCC E-Filing Site OET Links

06:42:07 status [Click Here](#) 07/11/05 - 06:34:35 **OET Equipment Authorization Electronic Filing**
The public may electronically complete and submit an application for a three-digit Grantee Code and for equipment authorization (FCC ID #) from the FCC, in order to legally market equipment that is subject to certification in the United States (Form 731). Applicants must obtain the Grantee Code prior to submitting the Equipment Authorization request. In addition, information necessary to register or renew the registration of a test firm may be submitted. Test Firm Accrediting Bodies (TFABs) may also provide information requesting the FCC "Recognize" a lab accredited by an authorized TFAB. Several on-line search options are also available that allow applicants to check the status of an Application for Equipment Authorization, perform extensive searches of FCC authorized equipment, search for Test Firms that perform work for the general public, and search for a particular Grantee.

07:11:05 status [Click Here](#) 07/11/05 - 06:36:12 **OET Experimental Licensing System Electronic Filing**
This website allows the public to electronically file Forms 442, 405, 702, 703, requests for Special Temporary Authority (STA) and include all necessary exhibits. In addition, several reporting options are also available.

07:11:05 status [Click Here](#) 07/11/05 - 06:40:34 **OET Knowledge DataBase (KDB)**
This site may be used to submit an inquiry to the OET Laboratory, as well as search for OET-related rule interpretations and frequently asked questions (FAQ).

07:11:05 status [Click Here](#) 07/11/05 - 06:44:18 **OET TCB/Accreditor Electronic Filing**
Telecommunications Certification Bodies (TCBs) may complete and submit applications for equipment authorization (FCC Form 731) in order to issue Grants of Authorization. In addition, authorized Accreditors may maintain TCB information.

07:11:05 status [Click Here](#) 07/11/05 - 06:44:18 **Red Light Display (RLD) System**
The Red Light Display (RLD) system allows you to check your current Red Light status with the FCC. Delinquent debt may prohibit you from receiving FCC benefits until they are resolved. After logging in with your secure FCC Registration...

October 2009 Draft for Review 7

The equipment authorization related web pages are:


OET Equipment Authorization Electronic Filing- The is used for searching for authorized equipment and submitting applications for the FCC to issue an equipment authorization.

OET Knowledge Database (KDB)- This site is used to research and ask equipment authorization questions.

OET TCB/Accreditor Electronic Filing- This site is used for TCB's and entities that support the process to login and issue equipment authorizations and provide information to the FCC.

This slide shows the "e-filing" page scrolled down to the specific links for TCB electronic filing. The links for filing FCC Certified applications is also here.

Occasionally, the Internet address may change or the site may be experiencing problems. When there is a problem accessing a site, the first step is to clear the internet browsers memory cache and reload the web page. If that doesn't resolve the problem, access the site from the www.fcc.gov link and check the status message to see if the problem is an FCC problem or a external user problem.



Internet Address's

- OET TCB filing site:
<https://fjallfoss.fcc.gov/tcb/index.html>
- OET Knowledge Database (KDB) filing site:
<https://fjallfoss.fcc.gov/oetcf/kdb/index.cfm>
www.fcc.gov/labhelp
- Beta Test OET TCB filing site:
<https://selafoss.fcc.gov/tcb/index.html>

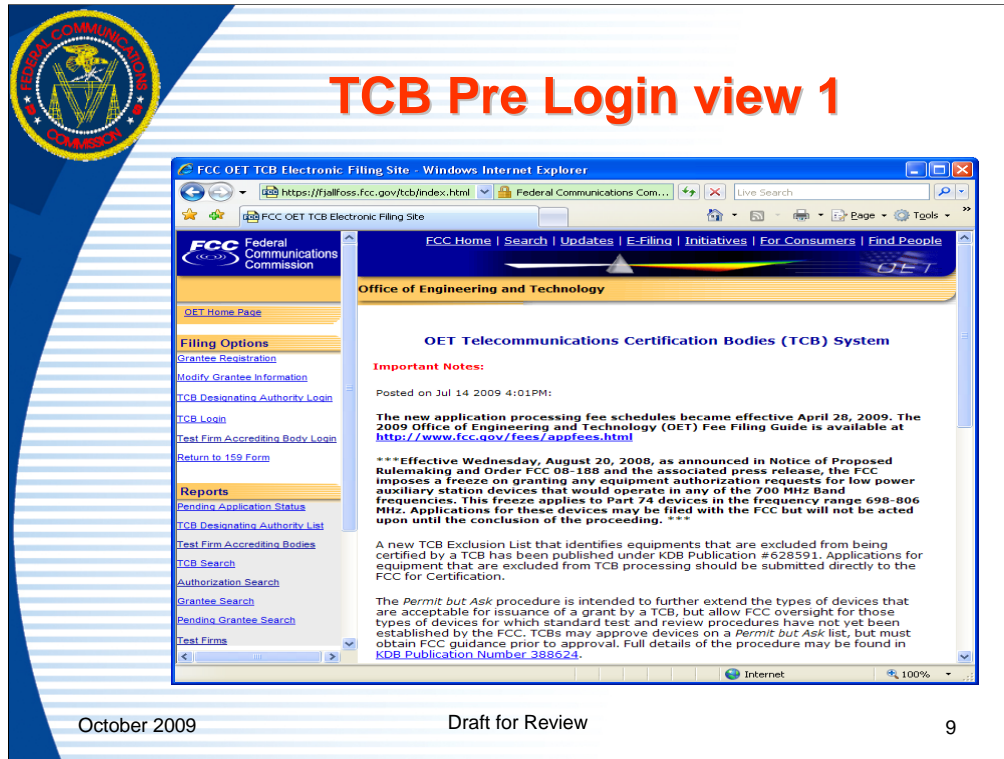
October 2009 Draft for Review 8

The links above are the URL addresses for the TCB, KDB and TCB-Beta test web pages.

The FCC used to use primary and alternate sites which the user had to select but system upgrades now automatically monitor the traffic to the servers and direct users to the less utilized server at the time of access.

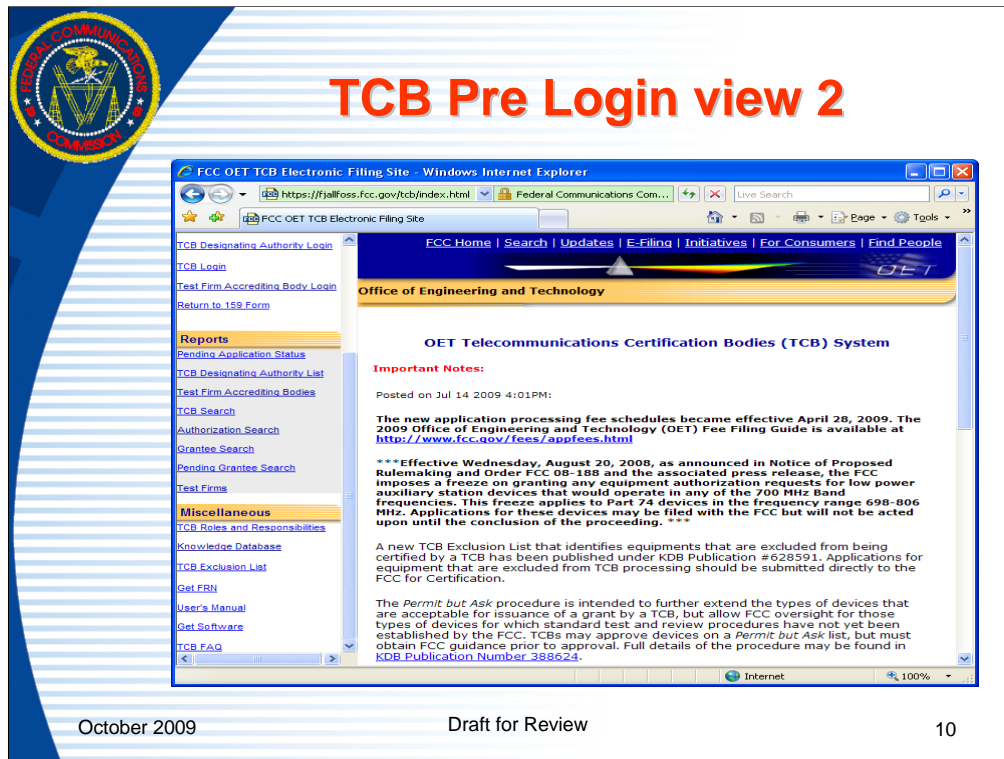
For the KDB system the address www.fcc.gov/labhelp is an alias that points to the link listed above it.

The beta test sites is available for FCC and external users to practice or test submissions and new software releases.



This TCB page is for TCB related information and processes that don't require a TCB Login. It is known as the TCB pre-login web page.

The FCC posts notes of interest to the TCB community on the page.



October 2009

Draft for Review

10

This image is of the TCB pre-login screen shows the links on the lower portion of the left frame bar of the page.

TCB Login Link

October 2009

Draft for Review

11

TCB use the TCB Login link on the left framebar to access processes and information not publicly available but necessary in the TCB process.

TCB Login Module

OET TCB Login - Windows Internet Explorer

https://fjallfoss.fcc.gov/tcb/Login.do?entityName=tcb&entityT... Identified by VeriSign

FCC Home | Search | Updates | E-Filing | Initiatives | For Consumers | Find People

Office of Engineering and Technology

FCC > FCC E-filing > TCB > Login

OET TCB Login

Enter the following information:

TCB Login: *

Password: *

First time login? [Click here](#)

* - This field is required.

Internet 100%

October 2009

Draft for Review

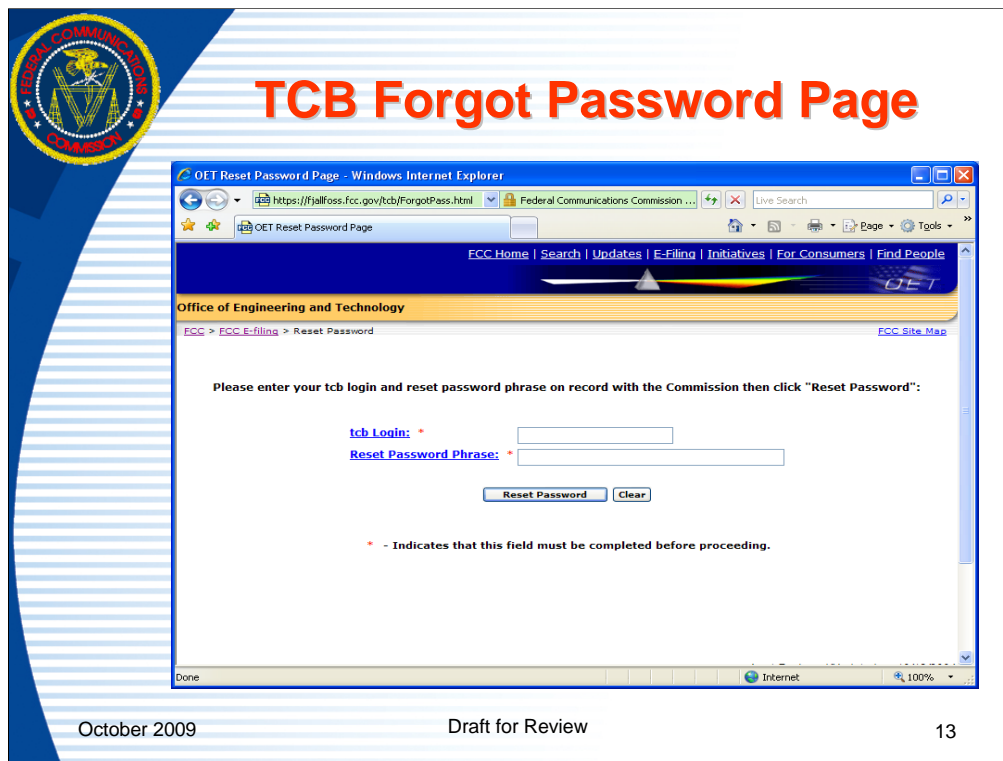
12

When a TCB has been recognized by the FCC they are provided a login and password reset phrase. These can be used to reset the password on initial entry or reset the password at any time using the “forgot password” button.

Throughout the FCC Equipment authorization databases a red asterisk on a page where information is being submitted to the FCC indicates a required field.

Once the TCB has set their password they would normally login by entering their login and password and clicking the proceed button.

The “clear” button can be used to blank any data entered.



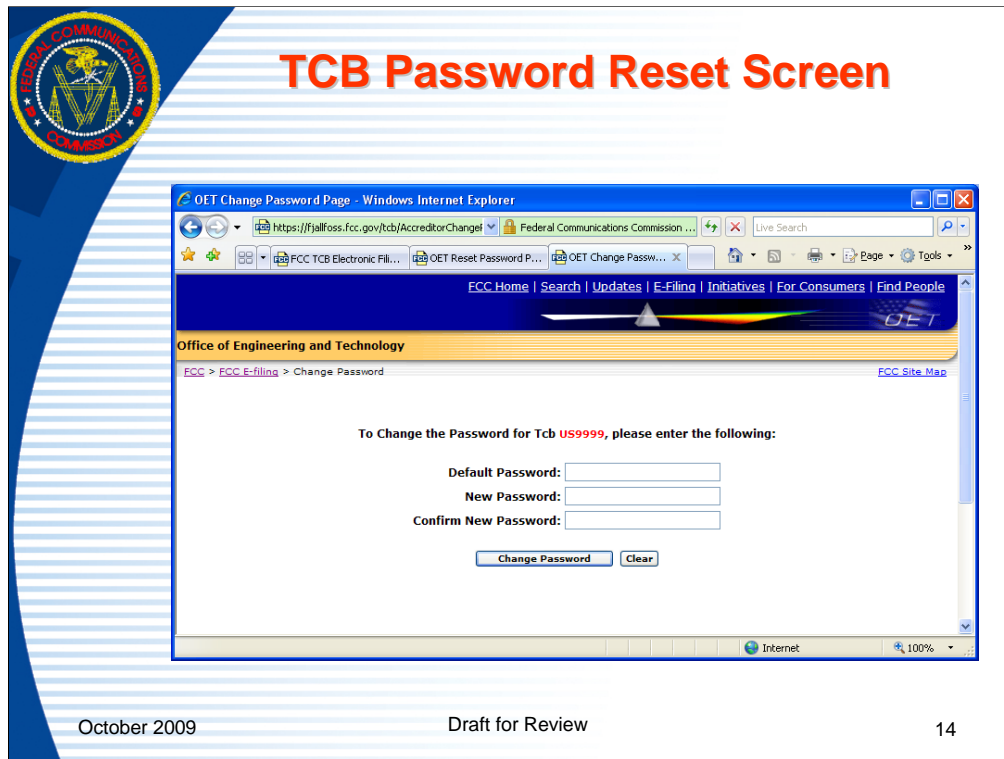
October 2009

Draft for Review

13

Upon initial entry or in order to change a password the TCB should enter their login and reset password phrase and click on the "reset password" button. The reset password phrase is provided by the TCB to the TCB designating authority when the TCB applies to the designating authority to be recognized by the FCC. All password issues should be directed to the TCB Designating Authority and not the FCC.

The field names in blue are also links that may be clicked on for more information. In most FCC Equipment Authorization web pages any column title/field name in blue may be clicked on to provide additional information on the field entered.




October 2009

Draft for Review

14

When a valid combination of TCB login and password reset phrase are entered the change password web page will open. Users enter the "default password" which they were provided when first recognized and then enter the new password and repeat the new password and click on the "change password" button. A successful or failure message will appear. If an error message is returned the user should use the back button and correct the problem.

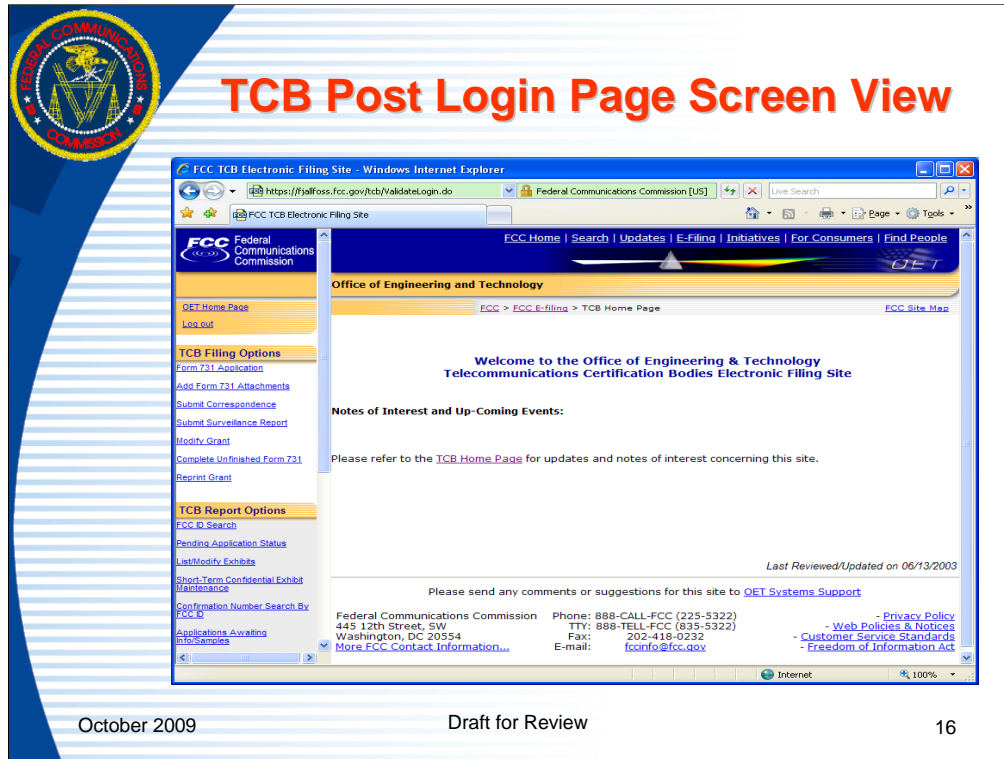
If the change was successful the user will be prompted to login with the new password.



TCB Post Login Links

The following group of slides with TCB in the title show web pages that require a TCB Login and password to access.

October 2009 Draft for Review 15



October 2009


Draft for Review

16

Upon successful login the TCB post login web page will appear. This page is also known as the TCB homepage. This page provides links to a variety of tools that enable TCBs to authorize equipment.

After entering a valid login and password a page will open with a frame bar on the left showing all options, a "Notes of Interest" section in the main window, and a link for general website questions at the bottom of the page. The frame bar at the left will provide options to: complete a Form 731, Add Attachments, Submit Correspondence, submit an annual surveillance report, Modify a Grant, Complete an unfinished 731, Reprint a Grant, perform an FCCID search, modify exhibit parameters, maintain short term confidentiality info, find confirmation numbers from FCCID's, find a list of information/sample requested applications, find a list of incomplete applications, find a list of applications missing required exhibits, review allowed equipment class/rule part/ scope allowable combinations, change passwords, get an FRN, and search the knowledge database. The "Notes of Interest" section is a place where the FCC can provide general messages to all TCB's about topics of interest to TCB's. The "notes of interest" area will be used by the FCC to provide information which may be of interest to TCB's. New test procedures or policies may be noted here and if the server is scheduled to be down for maintenance a message will be provided here.

Applications should be filed by clicking on the Form 731 Application link, completing the Form 731 and uploading all exhibits. When the Form 731 is completed the grant is viewed and can then be accepted. The grant is issued when the "accept grant" button is clicked.



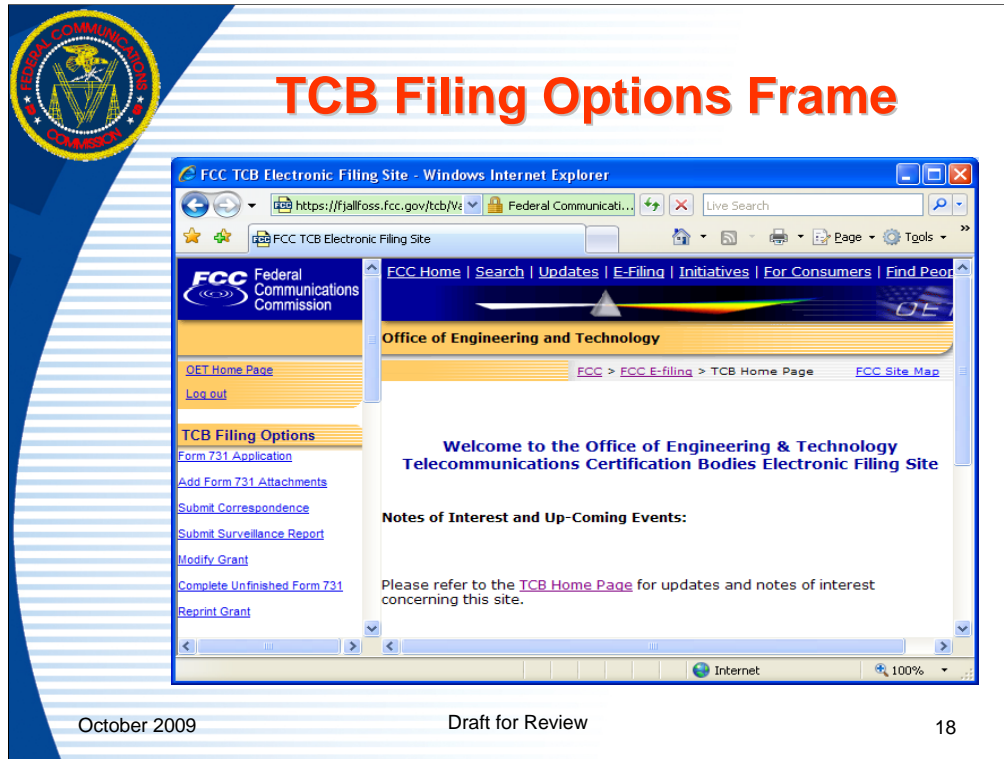
TCB Login Filing Options Framebar Group

- Form 731 Application
- Add Form 731 Attachments
- Submit Correspondence
- Submit Surveillance Report
- Modify Grant
- Complete Unfinished 731
- Reprint Grant

October 2009

Draft for Review

17



This slide focuses on the logout link and the links grouped under “TCB Filing Options”. The following will go through each link and describe its operation and use.

TCB Form 731 Intro Page

FCC TCB Electronic Filing Site - Windows Internet Explorer

https://fjallfoss.fcc.gov/tcb/Validatel

Federal Communications Commission

Office of Engineering and Technology

FCC > FCC E-filing > TCB > FCC Form 731

Application for Equipment Authorization (FCC Form 731) TCB Version

Enter the following information:

Filing Instructions

FCC Registration Number (FRN) Information

TCB's FCC Registration Number (FRN): *

Applicant's FCC Registration Number (FRN): *

FCC ID

Grantee Code: *

Product Code: *

Test Firm Details

Name of Test Firm:

Test Firm State:

Test Firm Country:

TCB Information

TCB Scope: *

* - Indicates that this field must be completed.

Proceed Clear

October 2009

Draft for Review

19

Upon clicking on the “Form 731 Application” link the first web page of the Form 731 opens requesting preliminary information to enable the following sections of the form to pre-fill properly.

On the equipment authorization Form 731 pages the links in blue are typically help links.

The “Form 731” link will take the user to the “introduction” section on the TC Form 731. Completion of the Form 731 will create an image of a grant that the TCB can accept or modify. The first page requires that an Applicant FRN, TCB FRN, FCCID, and scope be entered. The required fields are marked with an asterisk (*). There are also fields where Test firm information. The test firm fields are not required but are used as a search to limit the returned number of test firms in the following section of the Form 731.

As many selections as possible will be made from pull down menus to reduce possible errors. The scope pull down shows all scopes currently approved for the logged in TCB.

When the page is completed and the “proceed” button hit a number of validity checks will be performed. One check will be to determine if the grantee code has been paid for. A second check will be to verify via the “FCC Registration Number (FRN)” that the Grantee and TCB are in “good” financial standing with the FCC. If the Grantee or TCB are not in “good” standing or the Grantee code has not been paid for, the problem will need to be resolved before a grant can be issued. When all checks are successfully completed the second page of the Form 731 will open.

TCB Form 731 Section 1- Top

Office of Engineering and Technology
FCC > FCC E-Filing > TCB > TCB Form 731

Approved by OMB 3060 - 0057
Section One: Contact/General Information

Applicant's complete, legal business name: FCC Laboratory Test Grantee
FCC Registration Number (FRN): 0003072848

Mailing Address
Line one: 7435 Oakland Mills Rd
Line two:
P.O. Box:
City: Columbia
State: Maryland
Country: United States
Zip Code: 21044

FCC ID
Grantee Code: ops Product Code: 99999

TCB Information
TCB Application Email Address:
TCB Scope:
[A1: Low Power Transmitters below 1 GHz (except Spread Spectrum), Unintentional Radiators, EAS (Part 11) & Consumer ISM devices]

Person at the applicant's address to receive grant or for contact
First Name: George
Middle Name: F
Last Name: Tennahill
Title: electronics engineer
Telephone: 301-362-3026
Extension: 3026
Fax Number: 301-362-3000
Email: bill.schwartz@fcc.gov
Mail Stop: 106

October 2009

Draft for Review

20

The top portion of the web page for section I of the Form 731 shows the FCCID and TCB contact email for the application in addition to grantee and mailing information.

The e-mail address is required in order for automated messages such as confirmations or missing information messages to be sent out. The e-mail address should be for someone at the TCB.

TCB Form 731 Section 1-Contacts

Technical Contact

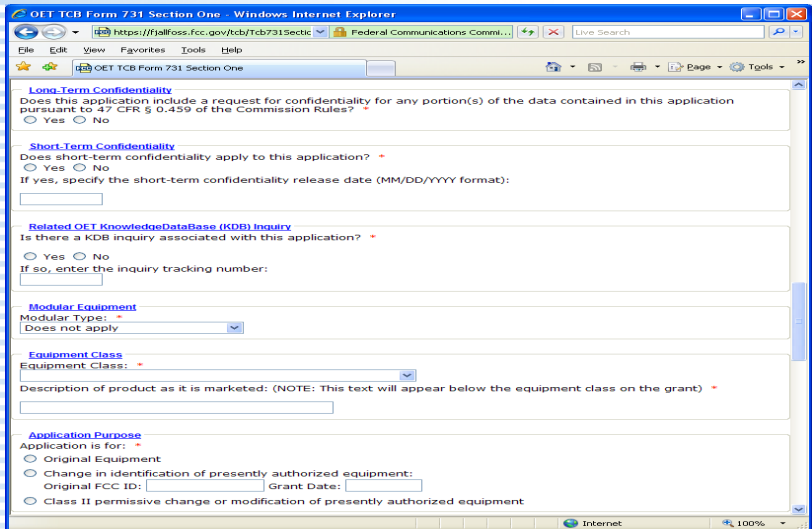
Firm Name:
First Name:
Middle Name:
Last Name:
Line 1:
Line 2:
P.O. Box:
City:
State:
Country:
Zip Code:
Telephone Number: Extension:
Fax Number:
E-mail:

Non Technical Contact

Firm Name:
First Name:
Middle Name:
Last Name:
Line 1:
Line 2:
P.O. Box:
City:
State:
Country:
Zip Code:
Telephone Number: Extension:

October 2009 Draft for Review 21

The middle portion of the web page for section I of the Form 731 shows the technical and non technical contacts for the application. These are not required to be completed but if any information is entered in either field, some minimal contact information is required to enable the FCC to contact the entity if necessary.



TCB Form 731 Section 1-middle

Long Term Confidentiality
Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR § 0.459 of the Commission Rules? ☐ Yes ☐ No

Short Term Confidentiality
Does short-term confidentiality apply to this application? ☐ Yes ☐ No
If yes, specify the short-term confidentiality release date (MM/DD/YYYY format):
[]

Related OET KnowledgeDataBase (KDB) Inquiry
Is there a KDB inquiry associated with this application? ☐ Yes ☐ No
If so, enter the inquiry tracking number:
[]

Modular Equipment
Modular Type: Does not apply

Equipment Class
Equipment Class:
Description of product as it is marketed: (NOTE: This text will appear below the equipment class on the grant)

Application Purpose
Application is for: ☐ Original Equipment
☐ Change in identification of presently authorized equipment:
Original FCC ID: [] Grant Date: []
☐ Class II permissive change or modification of presently authorized equipment

October 2009 Draft for Review 22

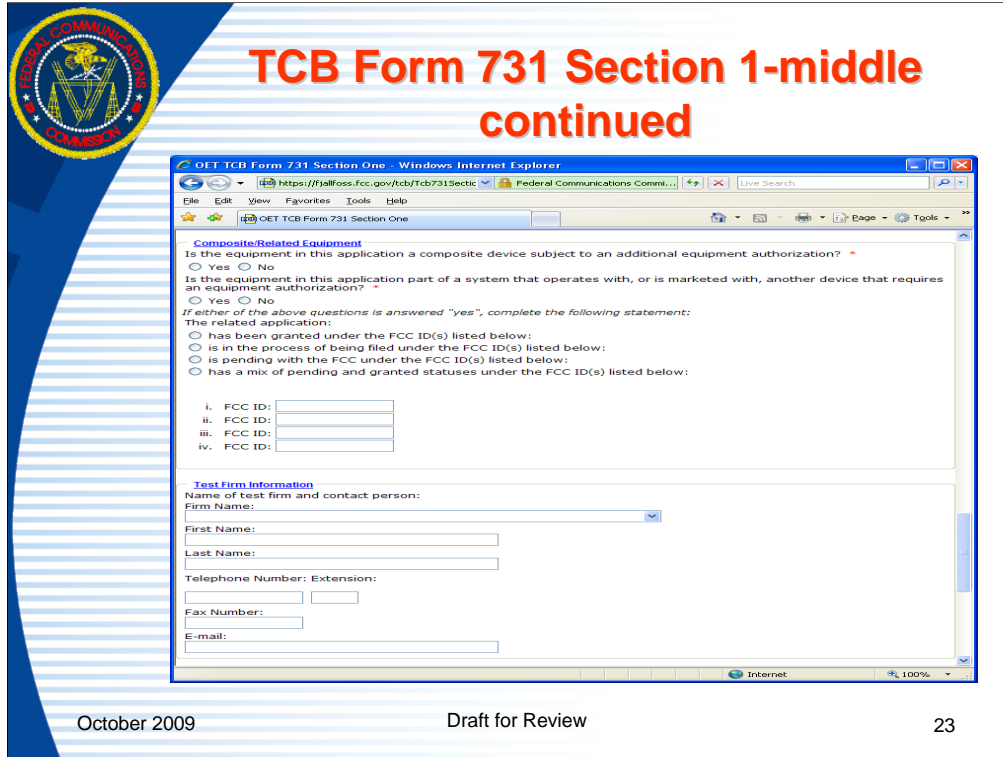
This section of the Form 731 contains questions on confidentiality, related KDB inquiries, modular type, equipment class, product description, and application purpose.

If confidentiality is indicated here, the specific exhibits to be held confidential must be identified when the files are submitted by checking the appropriate checkbox and also in a letter justifying the confidentiality.

If there is an associated KDB inquiry number entered the web page will verify the number is valid. If the KDB inquiry number entered is classified as a “Permit But Ask” KDB, the TCB will not be able to issue a grant until the FCC reviews the filed information and authorizes the grant.

The equipment classes appearing in the equipment class pull-down are limited based on the scope of the product identified on the previous page.

If the application purpose is “Class II permissive change” there must be an original grant approved in the FCC system.



TCB Form 731 Section 1-middle continued

Composite/Related Equipment

Is the equipment in this application a composite device subject to an additional equipment authorization? *

☐ Yes ☐ No

Is the equipment in this application part of a system that operates with, or is marketed with, another device that requires an equipment authorization? *

☐ Yes ☐ No

If either of the above questions is answered "yes", complete the following statement:

The related application:

☐ has been granted under the FCC ID(s) listed below;

☐ is in the process of being filed under the FCC ID(s) listed below;

☐ is pending with the FCC under the FCC ID(s) listed below;

☐ has a mix of pending and granted statuses under the FCC ID(s) listed below:

i. FCC ID:

ii. FCC ID:

iii. FCC ID:

iv. FCC ID:

Test Firm Information

Name of test firm and contact person:

Firm Name:

First Name:

Last Name:

Telephone Number: Extension:

Fax Number:

E-mail:

October 2009 Draft for Review 23

This portion of the Form 731 contains information on composite/related applications and test firms.

If the equipment being approved operates under multiple equipment classes that require multiple Form 731's to be submitted, this can be done by checking the composite application button.

If Composite or Related options are checked, the status of the related application and FCCID must be indicated.

A Composite filing would have the same FCCID indicated as is being filed under. A related application would be an application under a different FCCID that is always marketed with the device.

A test firm is required if the application is for Certification under Part 15 or 18 of the FCC rules.

The information entered on the previous web page, if any was entered, limits the test firms that appear in the pull down menu. If the test firm where the device was tested doesn't appear on the list, going back to the previous page and verifying the test firm limitations are correct may resolve the problem.

Accredited and 2.948 listed test firms appear on the pull-down. Contract and non-contract test firms also appear on the pull-down.

The screenshot shows a web browser window titled "OET TCB Form 731 Section One - Windows Internet Explorer". The address bar shows the URL "https://hfjaffoss.fcc.gov/tcb/Tcb731Sectic". The page features the Federal Communications Commission (FCC) logo on the left. The main heading is "TCB Form 731 Section 1-bottom" in large red text. Below this, the "Grant Comments" section is highlighted. It contains a text area for entering comments and a "Grant Comments" button. A red asterisk indicates a required field. At the bottom, there are "Proceed" and "Clear" buttons. The footer includes contact information for the FCC, a "Last Reviewed/Updated on 01/05/2005" date, and links to "OET Systems Support", "Privacy Policy", "Web Policies & Notices", "Customer Service Standards", and "Freedom of Information Act".

October 2009

Draft for Review

24

The bottom section of Section I of the Form 731 allows for a specific comment to be added to the grant.

Upon completing this section and clicking on the "proceed" button a group of validity checks will be performed. If all validation pass the user will be advanced to Section II of the Form 731.

An example of a specialized grant comment could be "To meet requirements of SAR the antenna for this device may not be mounted within 20cm of the user".

TCB Form 731 Section II

Application for Equipment Authorization (FCC Form 731) TCB Version Section II: Equipment Specifications

Notice: Your confirmation number for this application is **TC277235**. Please retain this number for future reference to this application.

Equipment Specifications:

Lower Frequency:

Upper Frequency:

Rated RF power output in watts:

Frequency Tolerance:

Emission Designator (See 47 CFR § 2.201 and § 2.202):

Microprocessor Model Number:

Equipment will be operated on above frequency under FCC Rule Part(s):

The following notes related to the above frequency will be displayed with the authorization:
[Click here to see the full grant note descriptions.](#)

10: TV Interface Device combined with TV Broadcast Receiver.
 11: Grant Reissued this date to correct error in listed FCC ID Number.
 12: This is a grant of Certification because receiver will tune frequencies allocated to Citizens Band Service, Section 2.9...
 14: The equipment listed herein complies with the 14dB noise figure requirements.
 16: If the subject device requires shielded interface cables to ensure compliance, the user's manual must advise the user of...
 17: Computing device into which the device is installed must employ shielded interconnect cables.
 18: This device must be supplied with a shielded A/C power cord in order to ensure compliance.
 19: This device must be marketed with a shielded interface cable which incorporates ferrite cores equal in quantity and type...
 20: All electrical and mechanical devices employed for spurious radiation suppression, including any modifications made dur...
 21: This grant is issued to permit marketing only when a ferrite loaded video cable or split ferrite core equivalent to the ...

Delete this line item: ☐

* - Indicates that this field must be completed before the registration can be submitted

[Existing Equipment Specifications:](#)

Upon completion of Section I of the Form 731, the submission is saved to the FCC database and the Form 731 Confirmation number is provided to the user. The Form 731 Confirmation number should be noted and saved in case future modification to the application are necessary.

Section II of the Form 731 is where frequency and technical specification are entered. Multiple line entries may be added by selecting the “add more specifications” button.

The page also shows a list of common grant notes that may be selected. The notes are selected by clicking on the specific note. To select multiple notes, click on the first note and then while holding the control key down, click on each additional note.


A line entry may be deleted by checking the box for “delete this line item” and clicking on the proceed button.

Clicking proceed will apply a series of validity checks to the information entered.

The bottom of the web page shows a list of all previously entered line entries.



A brief description of the attachment is required. The description will appear on the website for non-confidential attachments.



Acceptable File Formats

- Adobe Acrobat PDF
 - Maximum file size 6 MB
 - Minimize size to reduce upload issues
 - Don't password protect
 - Allow for documents to be printed
- JPEG/JPG (JFIF)

October 2009 Draft for Review 27

JFIF is the most common format of JPG and the only format accepted.




General File Submission Tips

- PDF format recommended for all multi-page files.
- JPG Files recommend for submission where a higher level of detail and clarity is necessary.
- Limit total number of files to as few as possible. One file per required exhibit type recommended.
- JPG files are one page per file but have the best compression. Recommended when image is very detailed such as circuit boards. File size should not be greater than 300 Kilobytes.
- Confidential Information should be in a separate file from non confidential information.

October 2009

Draft for Review

28



Common Upload Issues

➤ Don't Submit:

- large numbers of one page files.
- one page file, 6 MB in size.
- files which need to be rotated.
- files which are read only, password protected, linked to other files, or contain macros.
- Files which contain a virus

October 2009 Draft for Review 29





Exhibit Types

- Attestation Statements
- Block Diagram
- Cover Letter(s)
- External Photos
- ID Label/Location Info
- Internal Photos
- Operation Description
- Parts List/Tune up Info
- RF Exposure Info
- SDR Software/Security Info
- Schematics
- Test Report
- Test Setup Photos
- Users Manual

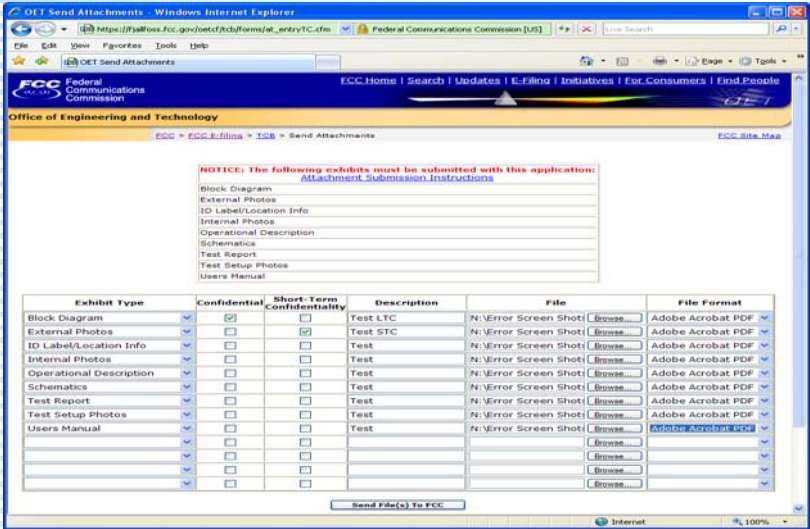
October 2009

Draft for Review

30



TCB Add Attachments Page - completed



NOTICE: The following exhibits must be submitted with this application:
[Attachment Submission Instructions](#)

- Block Diagram
- External Photos
- ID Label/Location Info
- Internal Photos
- Operational Description
- Schematics
- Test Report
- Test Setup Photos
- Users Manual


Exhibit Type	Confidential	Short-Term Confidentiality	Description	File	File Format
Block Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Test LTC	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
External Photos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Test STC	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
ID Label/Location Info	<input type="checkbox"/>	<input type="checkbox"/>	Test	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
Internal Photos	<input type="checkbox"/>	<input type="checkbox"/>	Test	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
Operational Description	<input type="checkbox"/>	<input type="checkbox"/>	Test	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
Schematics	<input type="checkbox"/>	<input type="checkbox"/>	Test	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
Test Report	<input type="checkbox"/>	<input type="checkbox"/>	Test	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
Test Setup Photos	<input type="checkbox"/>	<input type="checkbox"/>	Test	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
Users Manual	<input type="checkbox"/>	<input type="checkbox"/>	Test	N:\Error Screen Shot(Browse	Adobe Acrobat PDF
	<input type="checkbox"/>	<input type="checkbox"/>		Browse	
	<input type="checkbox"/>	<input type="checkbox"/>		Browse	
	<input type="checkbox"/>	<input type="checkbox"/>		Browse	
	<input type="checkbox"/>	<input type="checkbox"/>		Browse	

Send File(s) To FCC

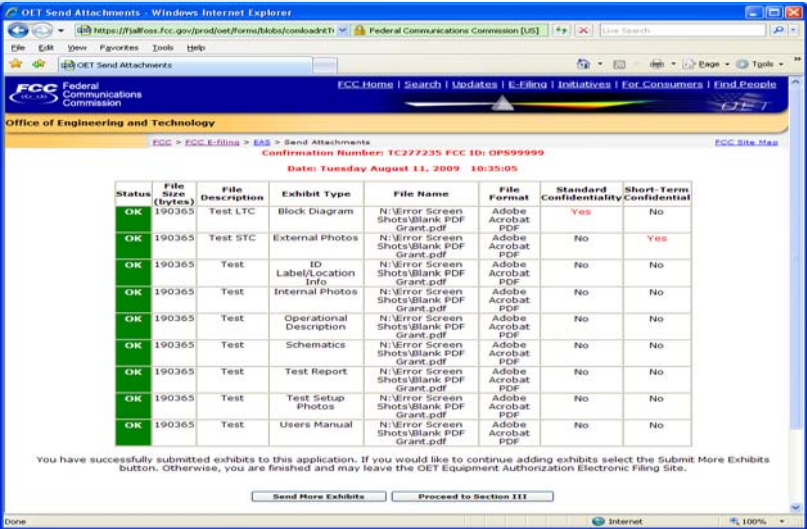
October 2009

Draft for Review

31



TCB Form 731 Attachment Confirmation page



Confirmation Number: TC277235 **FCC ID:** 0P599999
Date: Tuesday August 11, 2009 10:35:05

Status	File Size (bytes)	File Description	Exhibit Type	File Name	File Format	Standard Confidentiality	Short-Term Confidential
OK	190365	Test LTC	Block Diagram	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	Yes	No
OK	190365	Test STC	External Photos	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	Yes
OK	190365	Test	ID Label/Location Info	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
OK	190365	Test	Internal Photos	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
OK	190365	Test	Operational Description	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
OK	190365	Test	Schematics	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
OK	190365	Test	Test Report	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
OK	190365	Test	Test Setup Photos	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
OK	190365	Test	Users Manual	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No

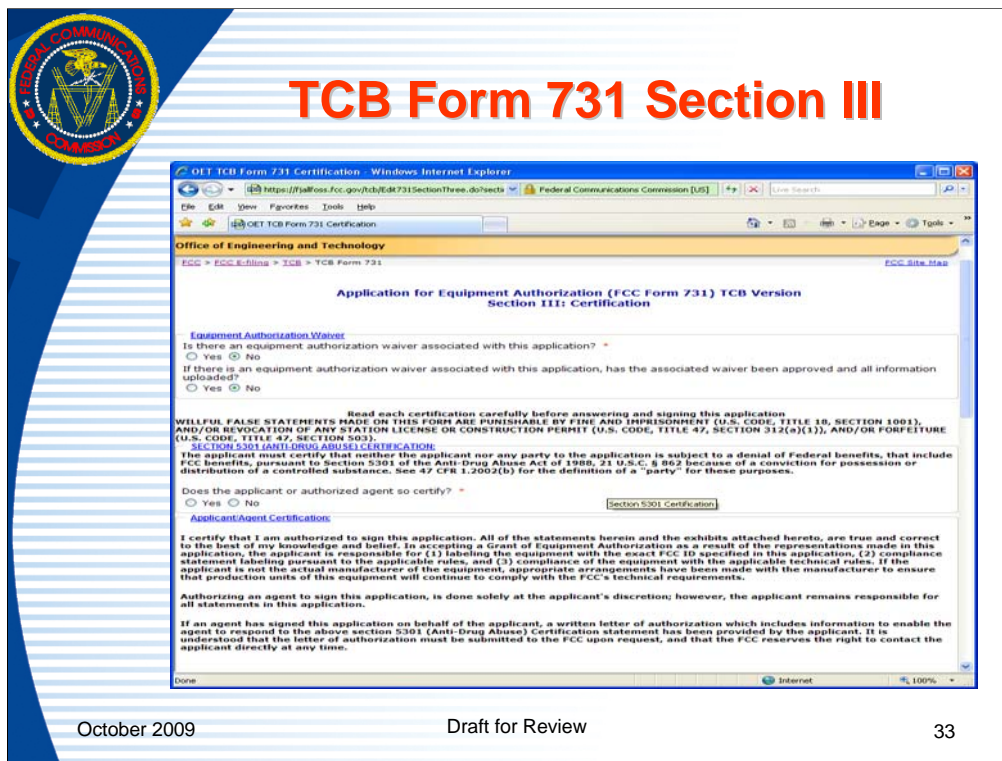
You have successfully submitted exhibits to this application. If you would like to continue adding exhibits select the Submit More Exhibits button. Otherwise, you are finished and may leave the OET Equipment Authorization Electronic Filing Site.

[Send More Exhibits](#) [Proceed to Section III](#)

October 2009

Draft for Review

32



TCB Form 731 Section III

OET TCB Form 731 Certification - Windows Internet Explorer
 https://fjafcc.fcc.gov/etcb/731SectionThree.do?secta... Federal Communications Commission [US]

Office of Engineering and Technology
 FCC > FCC e-Filing > TCB > TCB Form 731

Application for Equipment Authorization (FCC Form 731) TCB Version
 Section III: Certification

Equipment Authorization Waiver
 Is there an equipment authorization waiver associated with this application? *
☐ Yes ☒ No
 If there is an equipment authorization waiver associated with this application, has the associated waiver been approved and all information uploaded?
☐ Yes ☒ No

Read each certification carefully before answering and signing this application
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).
SECTION 5301 (ANTI-DRUG ABUSE) CERTIFICATION
 The applicant must certify that neither the applicant nor any party to the application is subject to a denial of Federal benefits, that include FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862 because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the definition of a "party" for these purposes.

Does the applicant or authorized agent so certify? *
☐ Yes ☒ No [Section 5301 Certification](#)

Applicant/Agent Certification:
 I certify that I am authorized to sign this application. All of the statements herein and the exhibits attached hereto, are true and correct to the best of my knowledge and belief. In accepting a Grant of Equipment Authorization as a result of the representations made in this application, the applicant is responsible for (1) labeling the equipment with the exact FCC ID specified in this application, (2) compliance statement labeling pursuant to the applicable rules, and (3) compliance of the equipment with the applicable technical rules. If the applicant is not the actual manufacturer of the equipment, appropriate arrangements have been made with the manufacturer to ensure that production units of this equipment will continue to comply with the FCC's technical requirements.

Authorizing an agent to sign this application, is done solely at the applicant's discretion; however, the applicant remains responsible for all statements in this application.

If an agent has signed this application on behalf of the applicant, a written letter of authorization which includes information to enable the agent to respond to the above section 5301 (Anti-Drug Abuse) Certification statement has been provided by the applicant. It is understood that the letter of authorization must be submitted to the FCC upon request, and that the FCC reserves the right to contact the applicant directly at any time.

Done

October 2009

Draft for Review

33

After the minimum required attachments are uploaded the user is given the option to complete Section III of the Form 731.

Section III address waivers, anti-drug certification and the signature contact.

TCB's may not authorize waivers of the FCC rules but if there is a associated waiver approved by the FCC it should be indicated on this page and details included on an attachment page.



TCB Form 731 Section III – Authorized Person Contact

Signature of Authorized Person Filing:

Title of authorized signature:

Complete items below if agent signs the application

Firm Name:

First Name:

Middle Name:

Last Name:

Line 1:

Line 2:

P.O. Box:

City:

State:

Country:

Zip Code:

Telephone Number: Extension:

Fax Number:

E-mail:

* - Indicates that this field must be completed before the application can be submitted

October 2009

Draft for Review

34

In Section III of the Form 731 a signature is required but agent contact information is not but if any information is enter, certain minimum information must be submitted to ensure the FCC ability to contact the agent if necessary.

Upon completion of entering information, click on the “view grant” button to view and image of the grant.

TCB Grant image

TCB

GRANT OF EQUIPMENT AUTHORIZATION

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

FCC Test TCB (FOR FCC TESTING USE ONLY)
7435 Oakland Mills RD
Columbia, MD 21044

Date of Grant: 08/11/2009
Application Dated: 08/11/2009

FCC Laboratory Test Grantee
7435 Oakland Mills RD
Columbia, MD 21044

Attention: George Yannakilli, electronics engineer

NOT TRANSFERABLE
EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the
equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: CP599999
Name of Grantee: FCC Laboratory Test Grantee
Equipment Class: Part 15 Low Power Communications Device Transmitter
Notes: Test Submission

Grant Notes	FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
Grant Comments field	15C	433.0 - 444.0			

Accept Grant Make Changes Printing Instructions

October 2009

Draft for Review

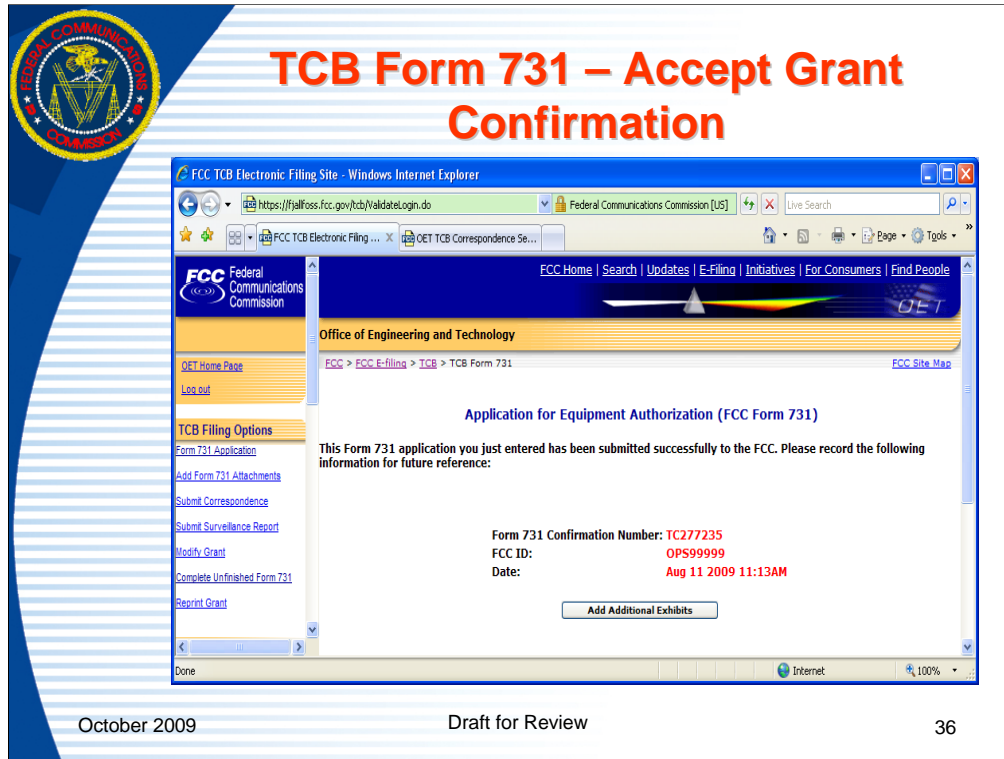
35

Upon completion of Form 731 Section III and clicking view grant, if all validations pass, an image of the grant will appear.

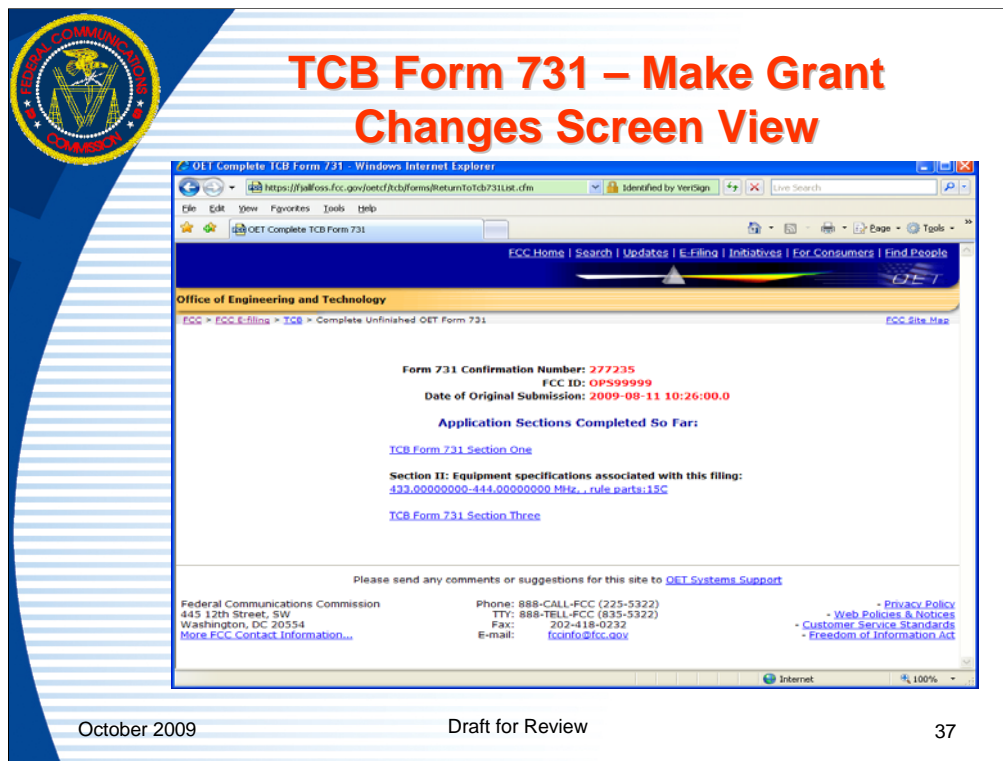
If the grant is acceptable then the grant should be printed by using the print button on the browser. Then the "accept grant" button should be clicked in order for the application to be granted. Print instructions for setting the margins, showing the watermarks and not showing the Internet address on the grant may be accessed by clicking "printing instructions".

If the grant is "not acceptable" click on the "make changes" button and correct the Form 731 until the grant is acceptable. The grant will be very similar to an FCC issued grant but will say "Issued under the authority of the FCC by:" and have the TCB name and address. The TCB grant will also have watermarks that say "TCB"

Since the grant is normally printed before the "accept grant" button is clicked, don't forget to accept the grant.



Upon acceptance of grant, a confirmation page is returned. Users may now exit the process or upload additional attachments.

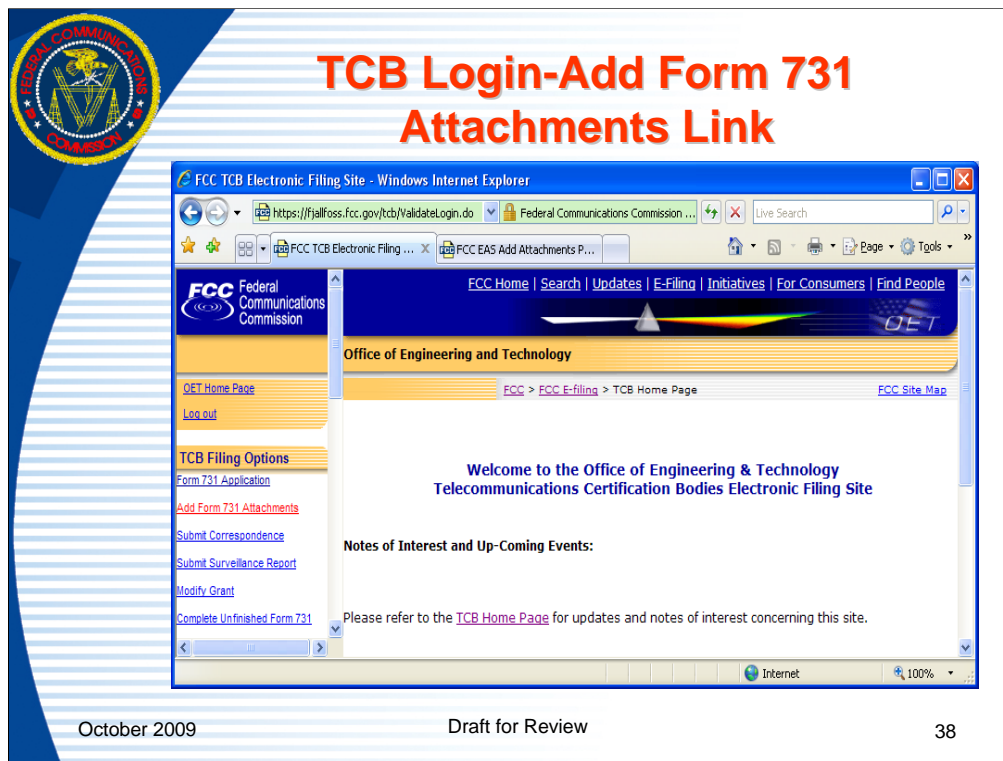


October 2009

Draft for Review

37

If the grant shown isn't correct it can be modified by clicking the modify grant button. When modify grant is clicked, this image is similar to the page that opens. Corrections can be made by selecting the link to what needs to be changed. If the Form 731 main section is selected most Form 731 Section 1 information can be modified. If a line entry link is selected, the line entry can be modified or deleted. The changes are then made and the "complete submission" button selected to correct the grant image and repeat the grant process.



October 2009

Draft for Review

38

The “add attachments” link is for submitting files which aren’t uploaded at the time of original completion of the Form 731. When the FCC requests additional information where more than a text reply is necessary, the additional information should be submitted through the submit correspondence link. The submit correspondence link uses the correspondence reference number to change the status to let the reviewer know a reply has been submitted. The add attachments does not change the status.

The FCCID and Form 731 Confirmation number are required to access the link. Files may be submitted up to 30 days from the date of grant or after 30 days if the FCC is auditing the application.

TCB Login-Add Form 731 Attachments Information

FCC EAS Add Attachments Page - Windows Internet Explorer

https://fjallfoss.fcc.gov/oeetcf/tcb/forms/AddAtt... Federal Communications Commission ... Live Search

FCC TCB Electronic Filing Site FCC EAS Add Attachment... X

FCC Home | Search | Updates | E-Filing | Initiatives | For Consumers | Find People

Office of Engineering and Technology

FCC > FCC E-filing > TCB > Add Form 731 Attachments FCC Site Map

Enter the FCCID and Form 731 Confirmation Number provided at the time of original filing:

FCC ID: *

Form 731 Confirmation Number: *

* - Indicates that this field must be completed before the registration can be submitted

Proceed Clear

Last Downloaded/Updated on 05/10/2009

Internet 100%

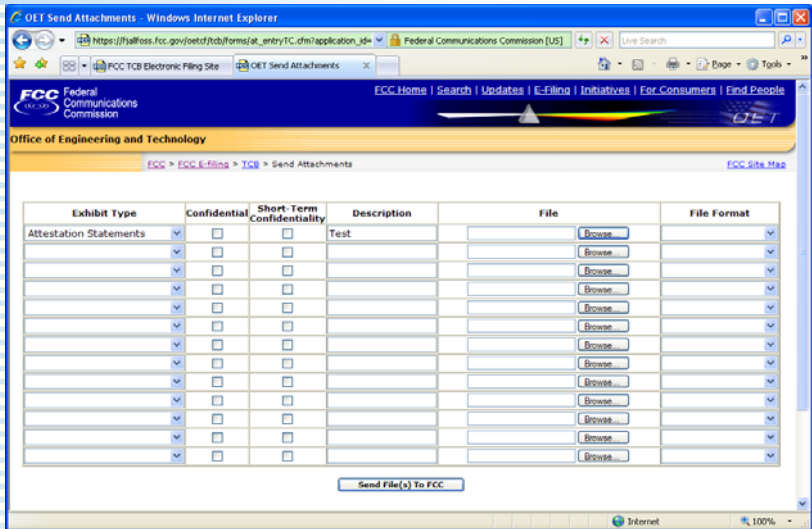
October 2009

Draft for Review

39

The “add attachments” link is for submitting files which aren’t uploaded at the time of original completion of the Form 731. When the FCC requests additional information where more than a text reply is necessary, the additional information should be submitted through the submit correspondence link. The submit correspondence link uses the correspondence reference number to change the status to let the reviewer know a reply has been submitted. The add attachments does not change the status.

The FCCID and Form 731 Confirmation number are required to access the link. Files may be submitted up to 30 days from the date of grant or after 30 days if the FCC is auditing the application.



TCB Login-Add Form 731 Attachments Submission Page

Office of Engineering and Technology

FCC > FCC E-Filing > TCB > Send Attachments

Exhibit Type	Confidential	Short-Term Confidentiality	Description	File	File Format
Attestation Statements	<input type="checkbox"/>	<input type="checkbox"/>	Test	<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="button" value="Browse"/>	<input type="button" value="Format"/>


October 2009

Draft for Review

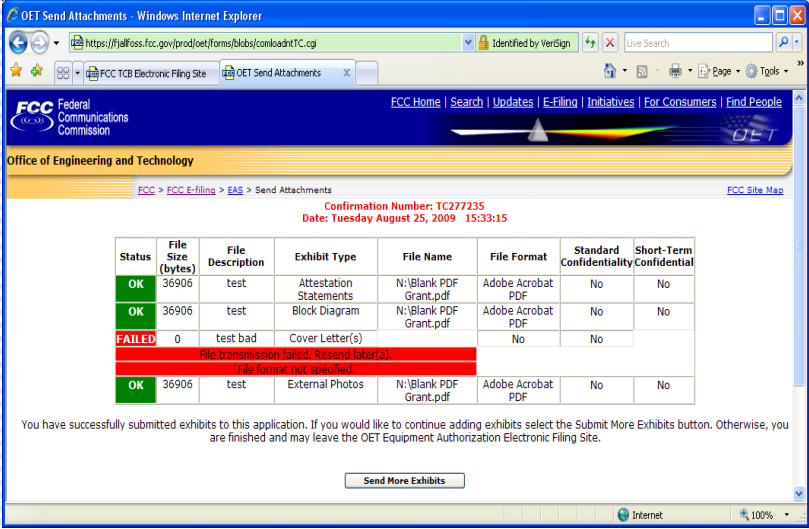
40

Upon entering a valid combination of FCC and Form 731 Confirmation number the add attachments page will appear.

Complete one line for each attachment to be submitted and click "Send File(s) to FCC".



TCB Login-Add Form 731 Attachments Confirmation



Confirmation Number: TC277235
Date: Tuesday August 25, 2009 15:33:15

Status	File Size (bytes)	File Description	Exhibit Type	File Name	File Format	Standard Confidentiality	Short-Term Confidential
OK	36906	test	Attestation Statements	N:\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
OK	36906	test	Block Diagram	N:\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No
FAILED	0	test bad	Cover Letter(s)		No	No	
File transmission failed. Resend later(s).							
File format not specified.							
OK	36906	test	External Photos	N:\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No

You have successfully submitted exhibits to this application. If you would like to continue adding exhibits select the Submit More Exhibits button. Otherwise, you are finished and may leave the OET Equipment Authorization Electronic Filing Site.

[Send More Exhibits](#)

October 2009

Draft for Review

41

For each file uploaded a confirmation of successful receipt or failure is returned. If the upload fails an error message is returned to indicate why. If no confirmation is returned after a reasonable amount of time, the application should be accessed through the Internet and the files viewed to verify receipt.

A successful and failed upload attempt are shown here.

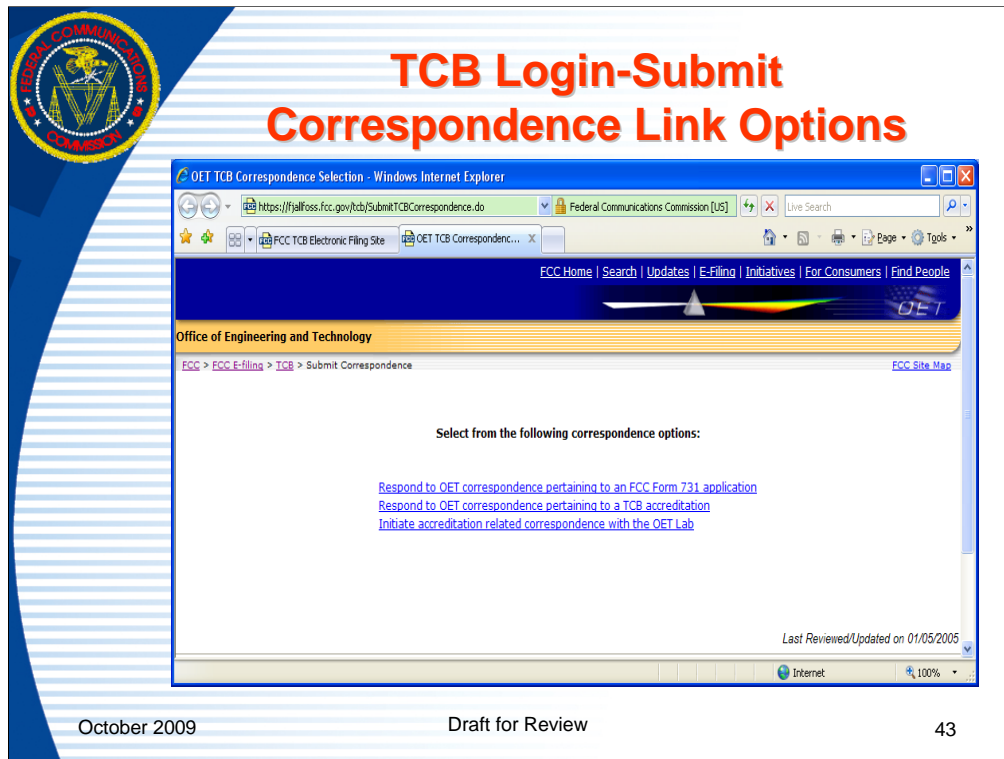
TCB Login-Submit Correspondence Link

October 2009

Draft for Review

42

Click on the “Submit Correspondence” link to reply to a Form 731 application information request, respond to a inquiry regarding a FCC generated TCB question (these are non application related) or to initiate accreditation related correspondence to the FCC



October 2009

Draft for Review

43

Select the link for the desired option.

When the FCC requests information regarding a Form 731 Application, select the top option.

When the FCC requests information regarding the accreditation of a TCB select the middle option.

When a TCB wants to initiate a question related to their accreditation select the bottom option.

The screenshot shows a web browser window titled "OET TCB Reply to Correspondence - Windows Internet Explorer". The address bar shows the URL: <https://hfjafoss.fcc.gov/oetdftcb/forms/SubmitTcbCorrespondence.cfm>. The page header includes the FCC logo and navigation links: [FCC Home](#), [Search](#), [Updates](#), [E-Filing](#), [Initiatives](#), [For Consumers](#), and [Find People](#). Below the header, the page is titled "Office of Engineering and Technology" and shows the breadcrumb: [FCC](#) > [FCC E-filing](#) > [TCB](#) > [Submit Correspondence](#). The main content area prompts the user to "Enter the Form 731 Confirmation Number and the Correspondence Reference Number:" and provides two input fields: "Form 731 Confirmation Number: *" and "Correspondence Reference Number: *". A note below the fields states: "* - Indicates that this field must be completed before proceeding." At the bottom of the form are "Proceed" and "Clear" buttons. The browser's status bar at the bottom shows "Internet" and "100%".

October 2009


Draft for Review

44

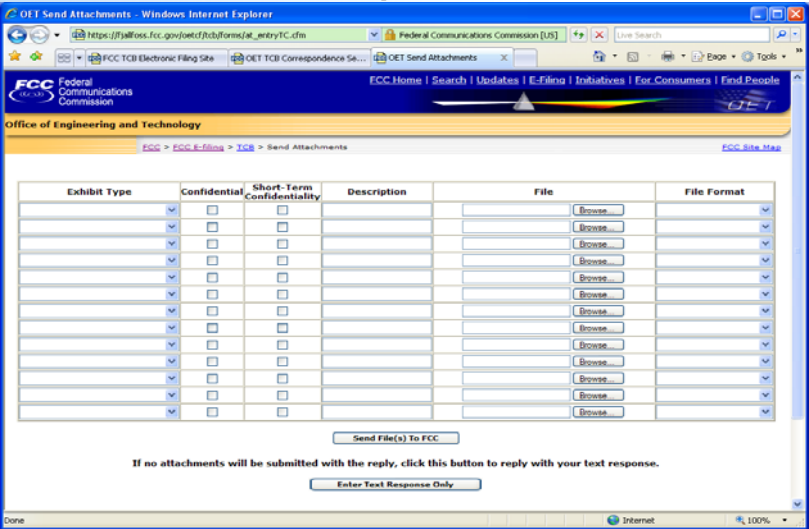
The "submit correspondence" allows a user to respond with a text message or attachments to an information request from a FCC reviewer. A Form 731 confirmation number and correspondence reference number are required.

When a correspondence request is received from the FCC, this is the proper way to reply. Do not hit the reply button on the email which is received. The instructions for replying properly are listed on the bottom of all emails which require a reply.

Using the submit correspondence link changes the status of the filing to let the FCC reviewer know that a reply has been submitted.



TCB Respond to OET Correspondence pertaining to an FCC Form 731 Application Options

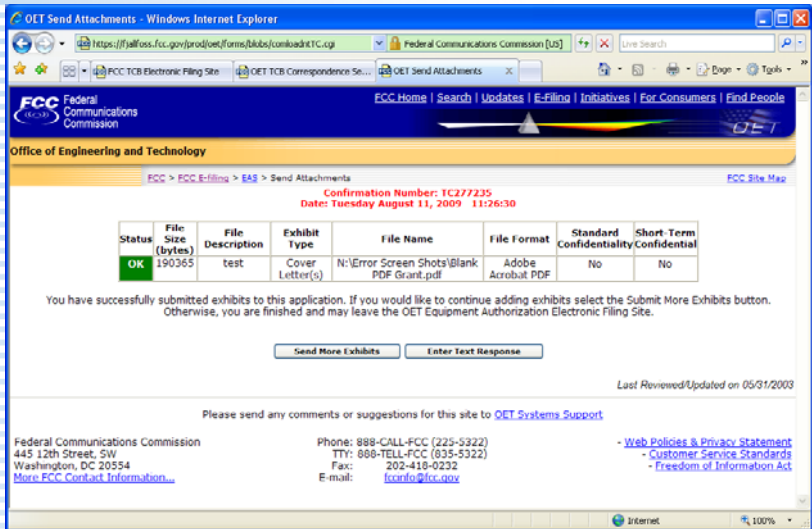


October 2009

Draft for Review

45

Upon entry of a valid combination of Form 731 Confirmation Number and Correspondence Reference number, the response page appears allowing a TCB to enter the response as a text reply or attachment(s).



TCB Respond to OET Correspondence – Add attachment confirmation

Confirmation Number: TC277235
Date: Tuesday August 11, 2009 11:26:30

Status	File Size (bytes)	File Description	Exhibit Type	File Name	File Format	Standard Confidentiality	Short-Term Confidentiality
OK	190365	test	Cover Letter(s)	N:\Error Screen Shots\Blank PDF Grant.pdf	Adobe Acrobat PDF	No	No

You have successfully submitted exhibits to this application. If you would like to continue adding exhibits select the Submit More Exhibits button. Otherwise, you are finished and may leave the OET Equipment Authorization Electronic Filing Site.

Last Reviewed/Updated on 05/31/2009

Please send any comments or suggestions for this site to [OET Systems Support](#).

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
[More FCC Contact Information...](#)


Phone: 888-CALL-FCC (225-5322)
TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: fccinfo@fcc.gov

[Web Policies & Privacy Statement](#)
[Customer Service Standards](#)
[Freedom of Information Act](#)

Internet 100%

October 2009 Draft for Review 46

When an attachment response is submitted a confirmation page similar to the one above is always returned. At this point the user may submit more attachments or enter a text response.

 **TCB Respond to OET Correspondence
– Text response page**

Office of Engineering and Technology

[FCC](#) > [E-File](#) > [TCB](#) > [Submit Correspondence](#) [ECC Site Map](#)

Form 731 Confirmation Number: tc277235
Correspondence Reference Number: 73034

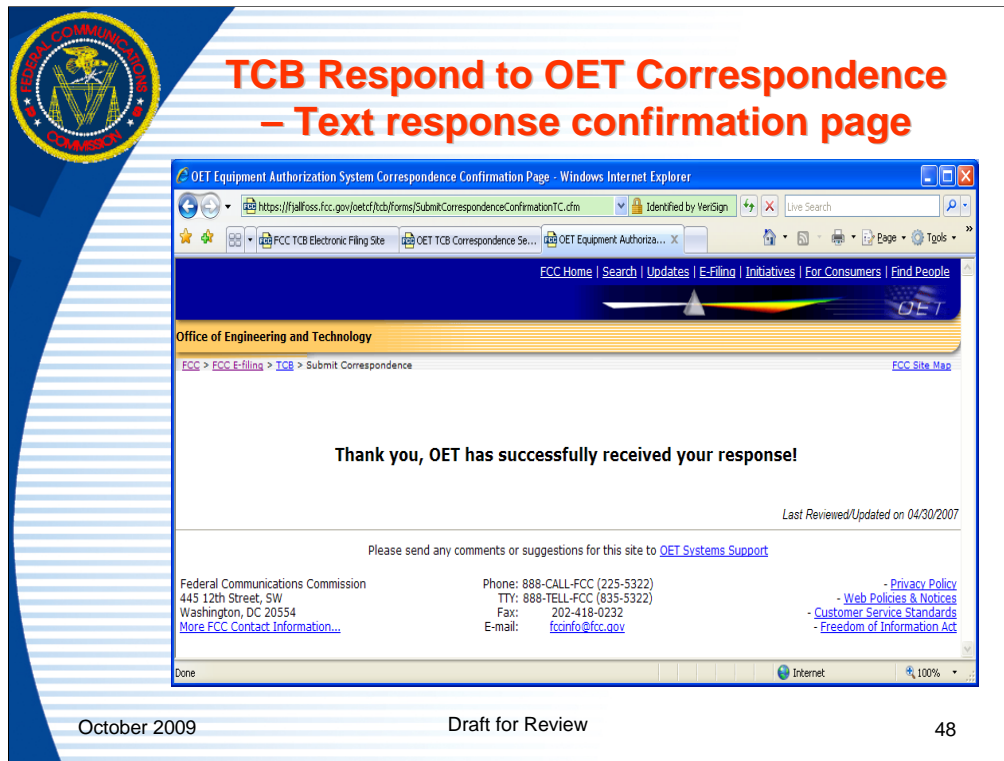
[Enter Comments Below:](#)

* - Indicates that this field must be completed before proceeding.


October 2009 Draft for Review 47

When the “enter text response” option is selected this page appears.

Enter the text response in the box and click the “submit response” button to send the FCC the response.



When a correspondence is submitted to the FCC a message is returned that the correspondence was successfully received.

 **TCB Respond to OET correspondence pertaining to TCB Accreditation**

OET TCBA Submit Correspondence - Windows Internet Explorer

https://hfjafoss.fcc.gov/tcb/ReplyCorrespondenceEntry.do?keyType=T Federal Communications Commission [US] Live Search

FCC Home | Search | Updates | E-Filing | Initiatives | For Consumers | Find People

Office of Engineering and Technology

FCC > FCC E-filing > TCB > Respond to FCC Correspondence FCC Site Map

Respond to FCC Correspondence

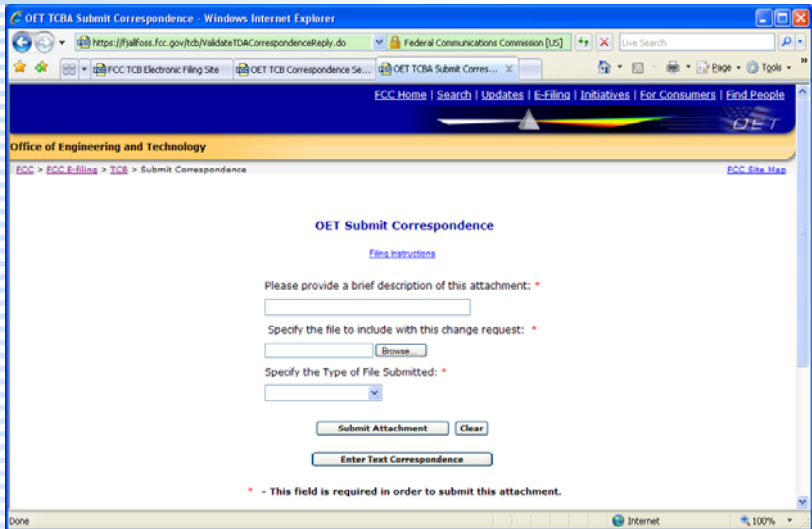
Enter the following information:

Correspondence Reference Number *

* - This field is required.

October 2009 Draft for Review 49

When the “Respond to OET Correspondence pertaining to TCB Accreditation” link is selected this page appears. Enter the correspondence reference number that was provided in the request from the FCC and select “proceed” button to continue.




The screenshot shows a web browser window titled "OET TCB Submit Correspondence - Windows Internet Explorer". The address bar shows the URL: <https://efile.fcc.gov/tcb/validateTCBCorrespondenceReply.do>. The page header includes the FCC logo and navigation links: "FCC Home | Search | Updates | E-filing | Initiatives | For Consumers | Find People". The main heading is "Office of Engineering and Technology". Below this, the breadcrumb trail is "FCC > FCC E-filing > TCB > Submit Correspondence". The form title is "OET Submit Correspondence". It includes a link for "File Instructions". The form fields are: "Please provide a brief description of this attachment:" (text input), "Specify the file to include with this change request:" (file selection with a "Browse" button), and "Specify the Type of File Submitted:" (dropdown menu). At the bottom of the form are buttons for "Submit Attachment", "Clear", and "Enter Text Correspondence". A red asterisk note at the bottom states: "* - This field is required in order to submit this attachment."

October 2009

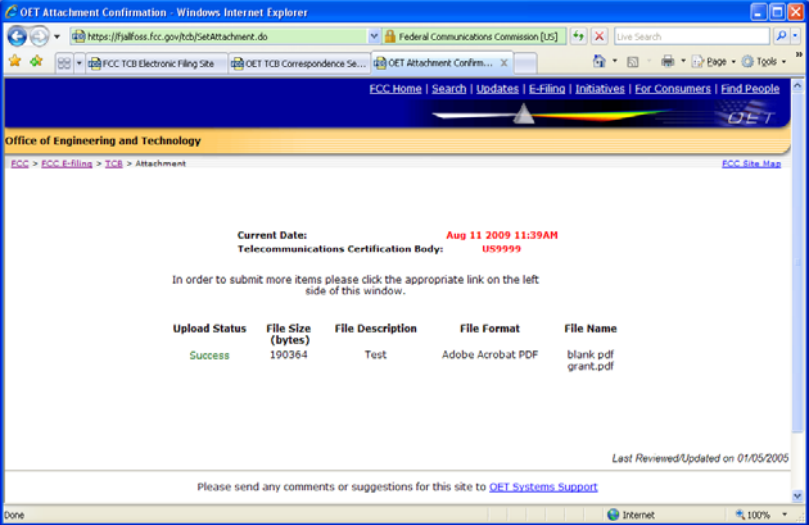
Draft for Review

50

When a valid correspondence reference number is entered and the correspondence reference number is associated with the logged in TCB the "Respond to OET TCB Accreditation" page opens. The TCB has the option to reply with an attachment or a text response.



TCB Respond to OET TCB Accreditation Correspondence Attachment Confirmation



Current Date: Aug 11 2009 11:39AM
Telecommunications Certification Body: US9999

In order to submit more items please click the appropriate link on the left side of this window.

Upload Status	File Size (bytes)	File Description	File Format	File Name
Success	190364	Test	Adobe Acrobat PDF	blank.pdf grant.pdf

Last Reviewed/Updated on 01/05/2005


Please send any comments or suggestions for this site to [OET Systems Support](#)

October 2009

Draft for Review

51

When the option to respond with an attachment is selected and an attachment is successfully uploaded a confirmation message is returned. The TCB can use the back button on their internet browser to submit additional attachments.

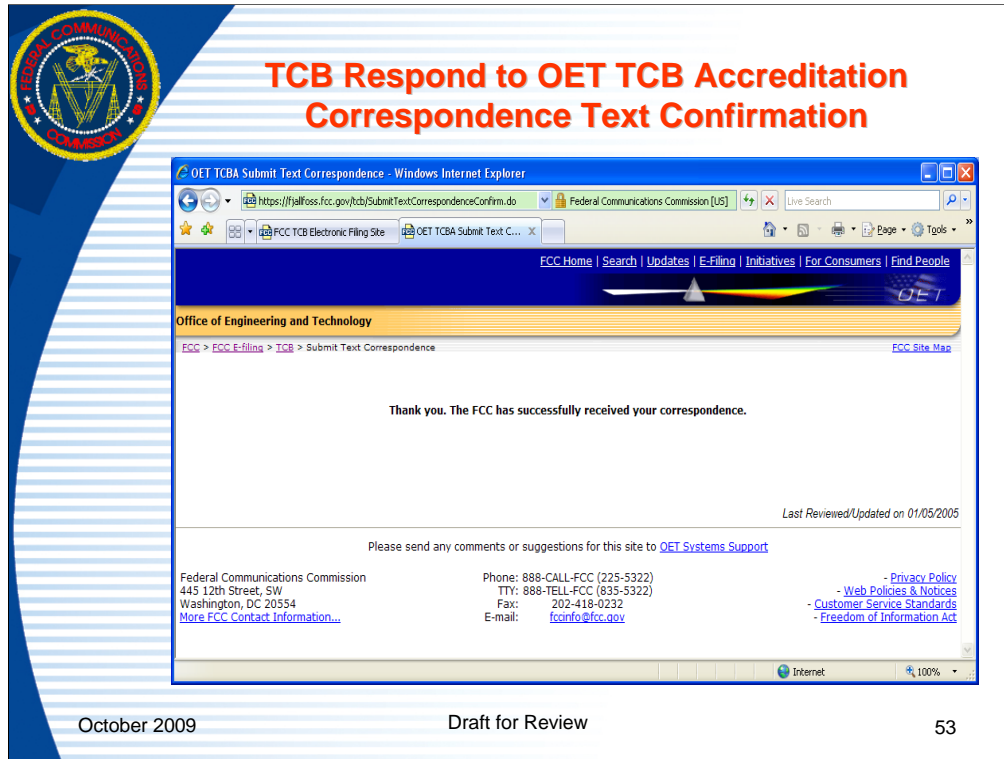
 **TCB Respond to OET TCB Accreditation Correspondence with Text**

October 2009

Draft for Review

52

When the option to reply with a text response is selected the text response page opens and the response should be entered in the box and the “submit correspondence” button clicked.



When a text response is successfully received by the FCC an confirmation message is returned.

TCB Submit Correspondence-Initiate Accreditation Related Correspondence

OET TCB Submit Correspondence - Windows Internet Explorer

https://efilios.fcc.gov/tcb/submitCorrespondenceEntry.do?keyType=1

Federal Communications Commission [US]

Live Search

FCC TCB Electronic Filing Site

OET TCB Submit Corres...

ECC Home | Search | Updates | E-filing | Initiatives | For Consumers | Find People

Office of Engineering and Technology

FCC > FCC E-filing > TCB > Submit Correspondence

ECC Site Map

OET Submit Correspondence

[File Instructions](#)

Please provide a brief description of this attachment: *

Specify the file to include with this change request: *

Specify the Type of File Submitted: *

Submit Attachment Clear

Enter Text Correspondence

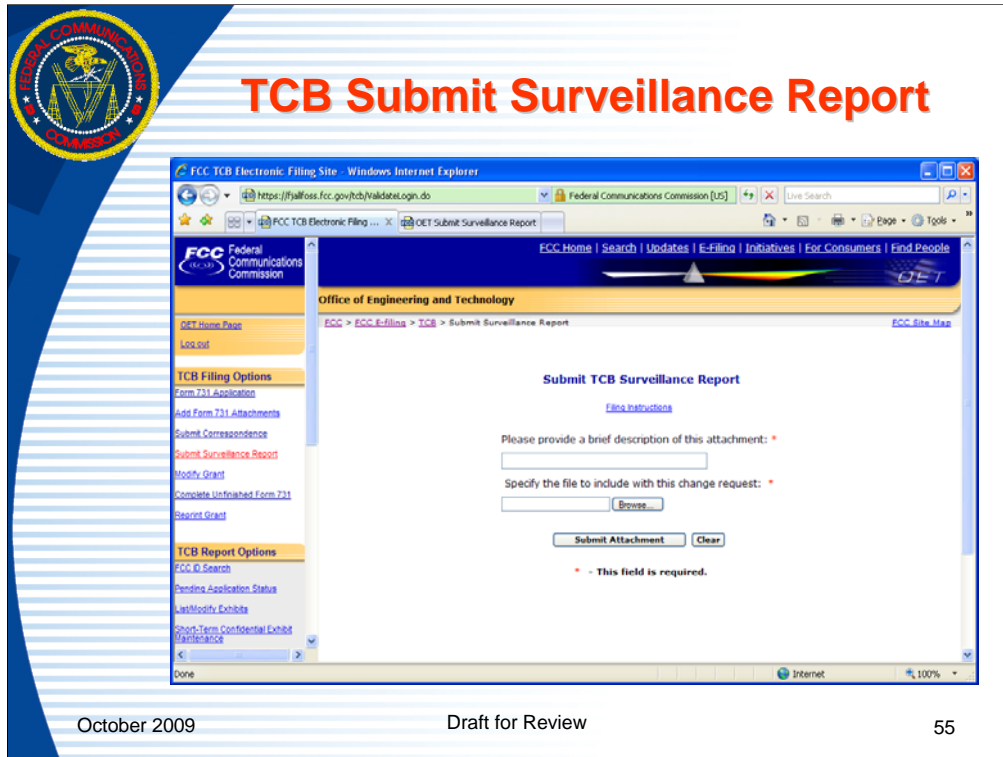
* - This field is required in order to submit this attachment.

October 2009

Draft for Review

54

When the “Initiate Accreditation Related Correspondence” link is selected the TCB may submit an attachment or text inquiry. For an attachment submission enter all three fields and click “submit attachment” or click “enter text correspondence” to submit text. Upon completion of either option a confirmation message from the FCC will appear.




The screenshot displays the FCC TCB Electronic Filing Site in a Windows Internet Explorer browser window. The address bar shows the URL <https://fjallfoss.fcc.gov/tcb/validateLogin.do>. The page header includes the FCC logo and navigation links: [FCC Home](#), [Search](#), [Updates](#), [E-filing](#), [Initiatives](#), [For Consumers](#), and [Find People](#). The main content area is titled "Office of Engineering and Technology" and "Submit TCB Surveillance Report". It includes a "File a Surveillance Report" link and a form with two required fields: "Please provide a brief description of this attachment:" and "Specify the file to include with this change request:". The form has "Submit Attachment" and "Clear" buttons. A red asterisk indicates that the "Specify the file to include with this change request:" field is required. The left sidebar contains links for "TCB Filing Options" (Form 731 Application, Add Form 731 Attachments, Submit Correspondence, Submit Surveillance Report, Modify Grant, Complete Unfinished Form 731, Reopen Grant) and "TCB Report Options" (FCC ID Search, Pending Application Status, Last/Modify Exhibits, Short-Term Confidential Exhibit Maintenance).

October 2009

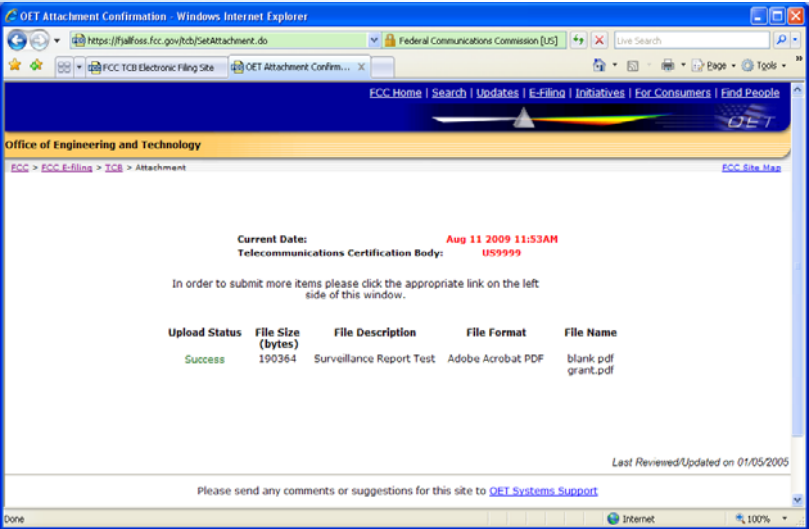
Draft for Review

55

Select the "Submit Surveillance Report" link to upload an annual surveillance report to the FCC. See the "TCB Roles and responsibilities" document for details on the surveillance requirements. The surveillance report format should be Adobe Acrobat PDF.



TCB Submit Surveillance Report Confirmation



The screenshot shows a web browser window titled "OET Attachment Confirmation - Windows Internet Explorer". The address bar shows the URL "https://fjallfoss.fcc.gov/tcb/SetAttachment.do". The page header includes the FCC logo and navigation links: "ECC Home | Search | Updates | E-filing | Initiatives | For Consumers | Find People". Below the header, the page is titled "Office of Engineering and Technology" and "FCC > FCC E-filing > TCB > Attachment". The main content area displays the following information:

Current Date: **Aug 11 2009 11:53AM**
Telecommunications Certification Body: **US9999**

In order to submit more items please click the appropriate link on the left side of this window.

Upload Status	File Size (bytes)	File Description	File Format	File Name
Success	190364	Surveillance Report Test	Adobe Acrobat PDF	blank.pdf grant.pdf

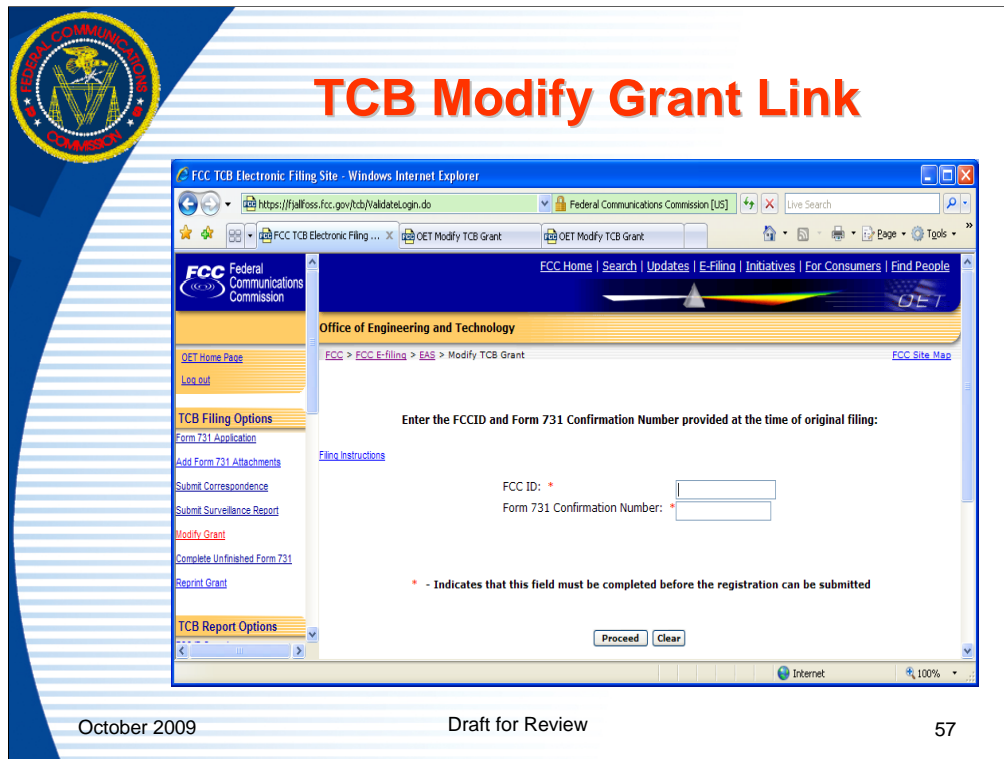
At the bottom, it says "Last Reviewed/Updated on 01/05/2005" and "Please send any comments or suggestions for this site to [OET Systems Support](#)".

October 2009

Draft for Review

56

When a surveillance report is uploaded successfully a confirmation message is returned.



The “modify grant” link allows a TCB to change the information on a grant issued within the past 30 days. The FCC must correct or put in “audit” mode for the TCB to correct, an application that is older than 30 calendar days from the date of original grant.

TCB Modify Grant Page

TCB

GRANT OF EQUIPMENT AUTHORIZATION
 Certification
 Issued Under the Authority of the
 Federal Communications Commission
 By:

FCC Test TCB (FOR FCC TESTING USE ONLY)
 7435 Oakland Mills Rd
 Columbia, MD 21046

Date of Grant: 08/11/2009
 Application Dated: 08/11/2009

FCC Laboratory Test Grantee
 7435 Oakland Mills Rd
 Columbia, MD 21044

Attention: George Tannahill, electronics engineer

NOT TRANSFERABLE
 EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: OPS99999
 Name of Grantee: FCC Laboratory Test Grantee
 Equipment Class: Part 15 Low Power Communication Device Transmitter
 Notes: Test Submission

Grant Notes	ECC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
	15C	433.0 - 444.0			

Grant Comments field

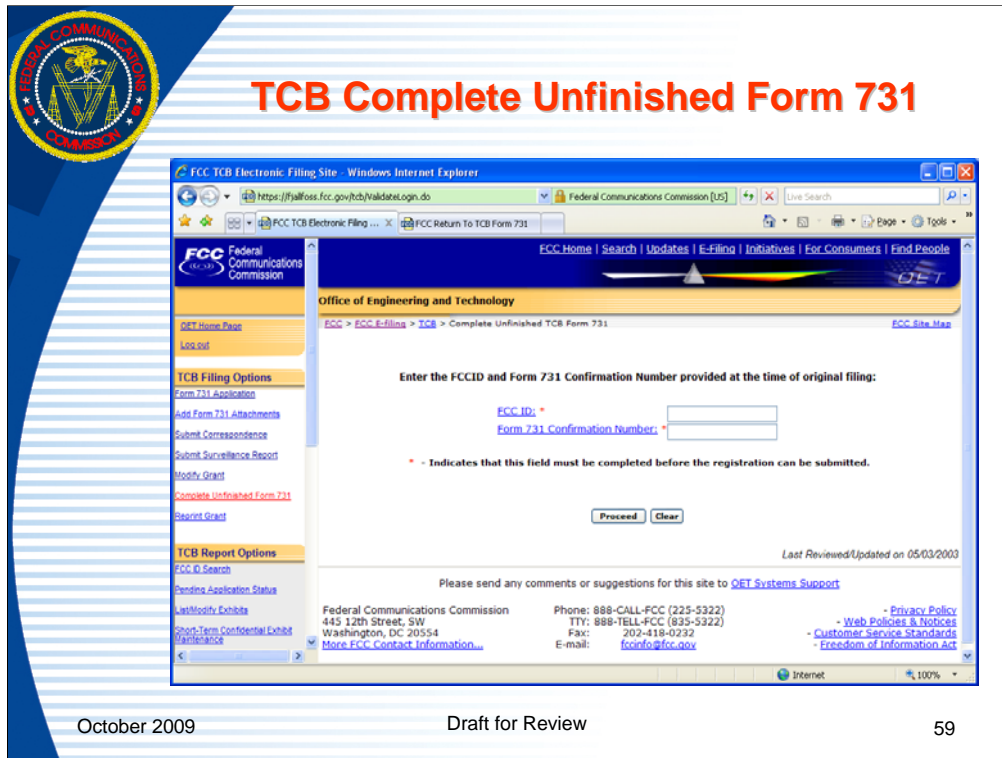
Accept Grant Make Changes Printing Instructions

October 2009

Draft for Review

58

When the "Modify Grant" link is selected and image of the grant will appear. Select the "make changes" button to return to the Form 731 or a specific line entry.



TCB Complete Unfinished Form 731

FCC TCB Electronic Filing Site - Windows Internet Explorer

https://fjallfoss.fcc.gov/tcb/validateLogin.do

Federal Communications Commission [US]

FCC Home | Search | Updates | E-filing | Initiatives | For Consumers | Find People

Office of Engineering and Technology

FCC > FCC E-filing > TCB > Complete Unfinished TCB Form 731

Enter the FCCID and Form 731 Confirmation Number provided at the time of original filing:

FCC ID: *

Form 731 Confirmation Number: *

* - Indicates that this field must be completed before the registration can be submitted.

Last Reviewed/Updated on 05/03/2003

Please send any comments or suggestions for this site to [OET Systems Support](#)

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Phone: 888-CALL-FCC (225-5322)
TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: fccinfo@fcc.gov


[Privacy Policy](#)
[Web Policies & Notices](#)
[Customer Service Standards](#)
[Freedom of Information Act](#)

October 2009


Draft for Review

59

The “complete unfinished Form 731” link allows a TCB to complete a Form 731 in cases where the first section of the Form 731 is completed but the connection is broken before the grant is issued. An FCCID and Form 731 Confirmation number are required. The incomplete Form 731 must have been created by the TCB attempting to complete the Form and the application must be in an “incomplete” status.



TCB Complete Unfinished Form 731 Page



Form 731 Confirmation Number: 277235
FCC ID: OP599999
Date of Original Submission: 2009-08-11 10:26:00.0

Application Sections Completed So Far:

[TCB Form 731 Section One](#)

Section II: Equipment specifications associated with this filing:
[433.00000000-444.00000000 MHz, rule parts: 15C](#)

[TCB Form 731 Section Three](#)

Please send any comments or suggestions for this site to [OET Systems Support](#)

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
[More FCC Contact Information...](#)

Phone: 888-CALL-FCC (225-5322)
TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: tcinfo@fcc.gov

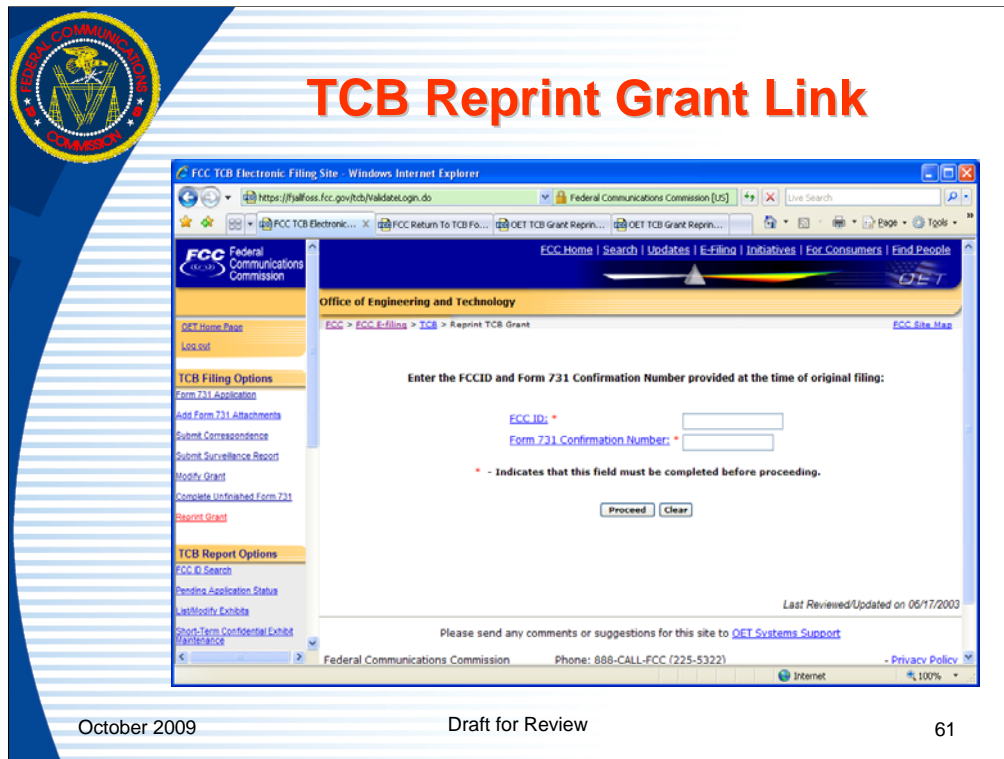
[Privacy Policy](#)
[Web Policies & Notices](#)
[Customer Service Standards](#)
[Freedom of Information Act](#)

October 2009

Draft for Review

60

When a valid combination of FCC and Form 731 confirmation number are entered and the other validation criteria are met the “Complete Unfinished For 731” page opens showing the portions of the Form 731 that were entered and allowing the TCB to select where they want to start.



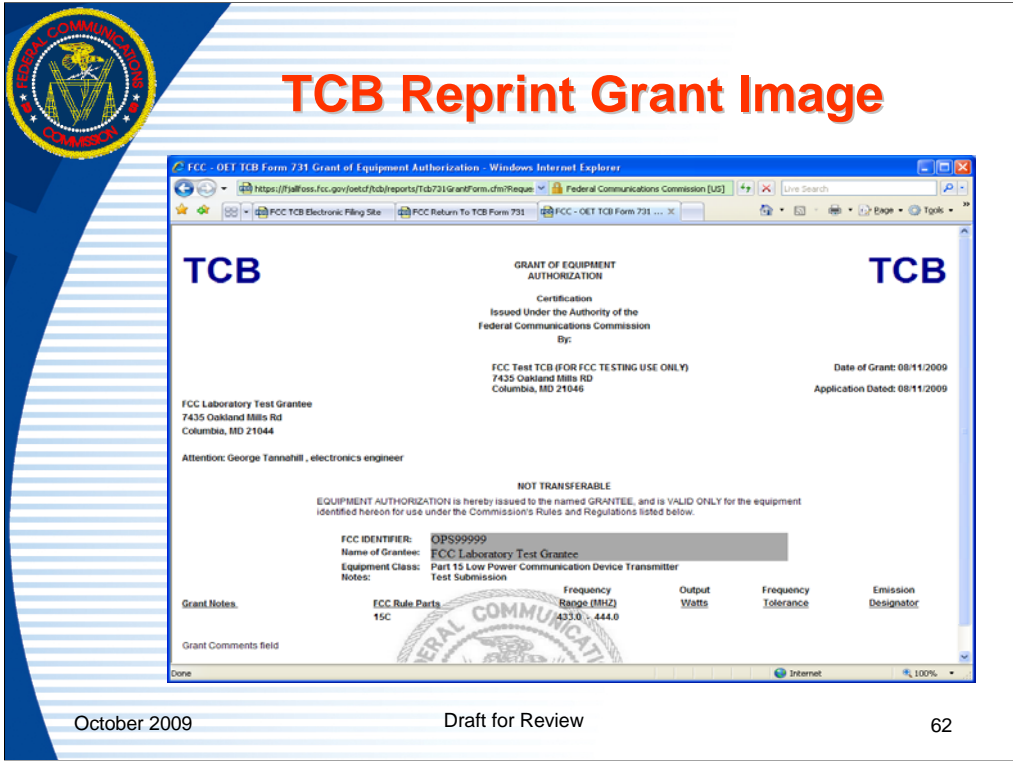
October 2009

Draft for Review


61

The “reprint grant” link allows the TCB to reprint an original grant. Any other method of printing the grant will be marked as “copy”. An FCCID and Form 731 Confirmation number are required.

There are no time restrictions on how long after a grant has been issued that a TCB may reprint a grant which they issued.



Upon entering a valid combination of FCCID and Form 731 Confirmation number and clicking “proceed” an image of a grant with an original watermark opens and the TCB can reprint the grant.



TCB Report Options Framebar Group

- FCCID Search
- Pending Application Search
- List/Modify Exhibits
- Short Term Confidential Exhibit Maintenance
- Confirmation Number Search by FCCID
- Applications Awaiting Info/samples
- Incomplete Applications
- Applications Missing Required Exhibits
- Equipment Class/Rule Part/ Scope List
- TCB Accreditation Attachments
- Key Employee list
- Grantee Search

October 2009 Draft for Review 63

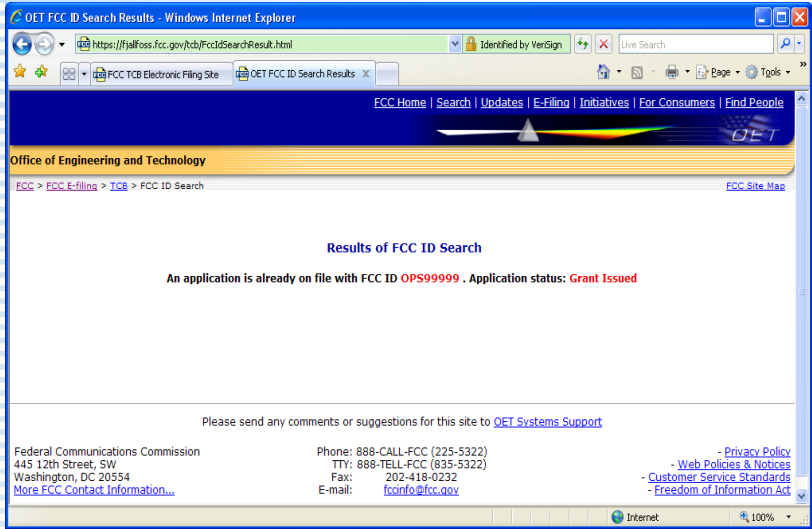


October 2009

Draft for Review

64

The "FCCID Search" link allows a TCB to search to see if an FCCID is already in use or has been dismissed or denied, only using the FCCID. In all other FCC database searches the Form 731 confirmation number is required in addition to the FCCID to show pending, dismissed or denied applications.



The screenshot shows a web browser window titled "OET FCC ID Search Results - Windows Internet Explorer". The address bar displays the URL "https://fjallfoss.fcc.gov/tcb/FccIdSearchResult.html". The page content includes the FCC logo, a navigation bar with links like "FCC Home", "Search", "Updates", "E-Filing", "Initiatives", "For Consumers", and "Find People". Below this is the "Office of Engineering and Technology" header. The main content area is titled "Results of FCC ID Search" and displays the message: "An application is already on file with FCC ID OPS999999 . Application status: Grant Issued". At the bottom, there is a footer with contact information for the Federal Communications Commission, including phone, TTY, fax, and email numbers, as well as links to "Privacy Policy", "Web Policies & Notices", "Customer Service Standards", and "Freedom of Information Act".

October 2009

Draft for Review

65

The returned results indicate the status of the application if it exists.

If the application was pending, dismissed, or denied that would also be shown in the message.



The screenshot displays the FCC TCB Electronic Filing Site in a Windows Internet Explorer browser window. The address bar shows the URL <https://fialfoss.fcc.gov/tcb/validateLogin.do>. The page features the FCC logo on the left and a navigation menu with links such as [FCC Home](#), [Search](#), [Updates](#), [E-Filing](#), [Initiatives](#), [For Consumers](#), and [Find People](#). The main content area is titled "Office of Engineering and Technology" and "Equipment Authorization System Pending Application Search". It prompts users to "Enter up to six combinations of FCC ID and Form 731 Confirmation Number". Below this, there is a table with two columns: "FCC ID" and "Form 731 Confirmation Number". The table has six rows, numbered 1 through 6. At the bottom of the table, there are "Start Search" and "Clear" buttons. The page also includes a footer with the text "Last Reviewed/Updated on 04/03/2008" and a link to "OET Systems Support".

October 2009


Draft for Review

66

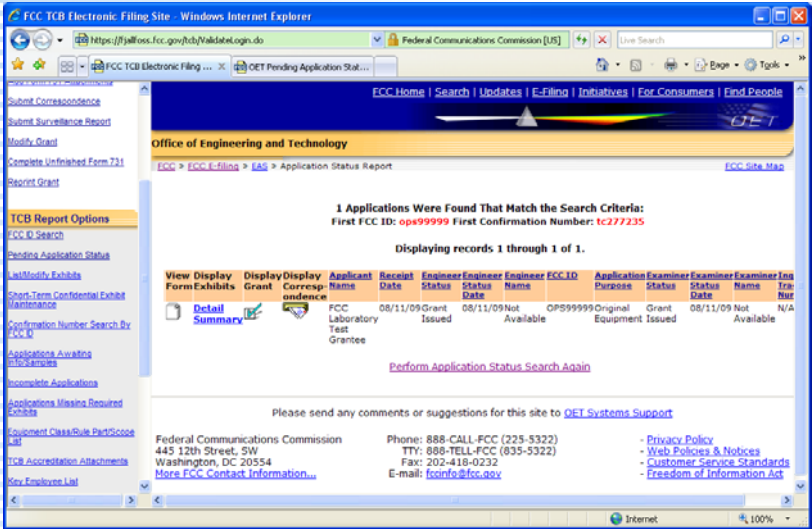
Entering an FCCID in combination with its associated Form 731 Confirmation number and clicking the “start search” button will return information available on applications.

Up to 6 FCCID’s may be searched at one time.

This search is also available without a TCB Login.



Pending Application Search Results



The screenshot shows the 'Pending Application Search Results' page on the FCC TCB Electronic Filing Site. The page displays search results for a pending application, showing details such as the Applicant Name, Receipt Date, Status, and FCC ID. The search criteria used were FCC ID: op99999 and First Confirmation Number: tc277235. The results show one application, 'FCC Laboratory Test Grantee', with a status of 'Grant Issued' and a receipt date of '08/11/09'. The page also includes a sidebar with navigation links and a footer with contact information for the Federal Communications Commission.

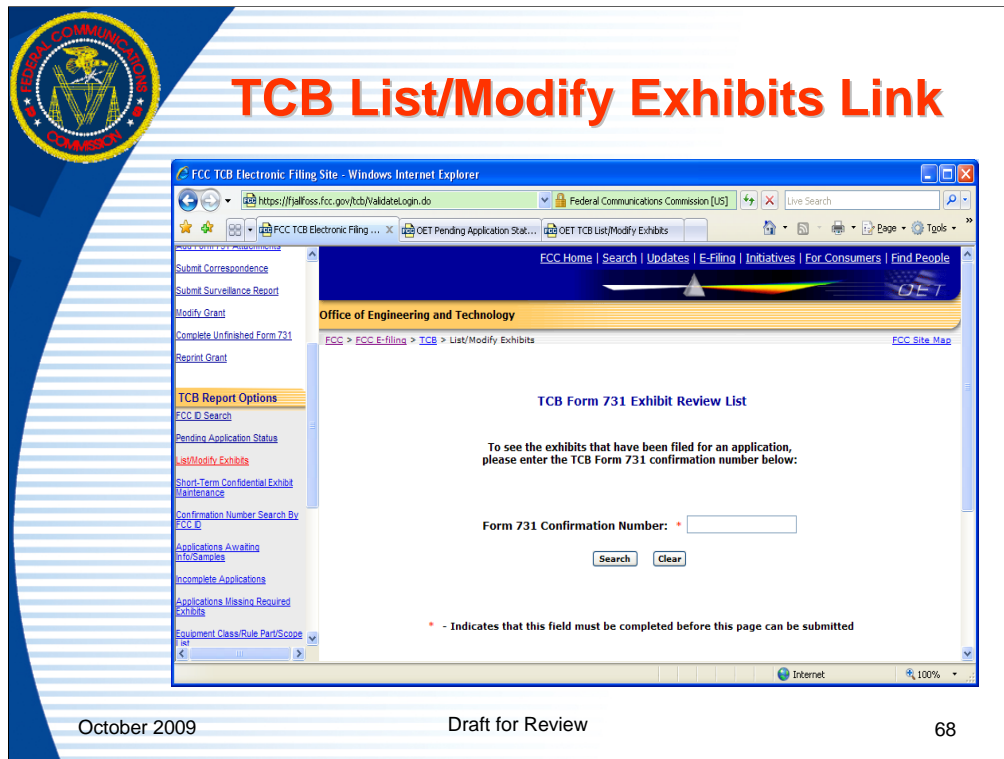
View	Display	Display	Display	Applicant	Receipt	Engineer	Engineer	Engineer	FCC ID	Application	Examiner	Examiner	Examiner	Ins
Form	Exhibits	Grant	Correspondence	Name	Date	Status	Status	Name		Purpose	Status	Status	Name	Tr
Detail	Summary			FCC Laboratory Test Grantee	08/11/09	Grant Issued	08/11/09	Not Available	OP999999	Original Equipment	Grant Issued	08/11/09	Not Available	N/A

October 2009

Draft for Review

67

When a valid combination of FCCID and Form 731 Confirmation number is entered information about the application is returned.



October 2009

Draft for Review

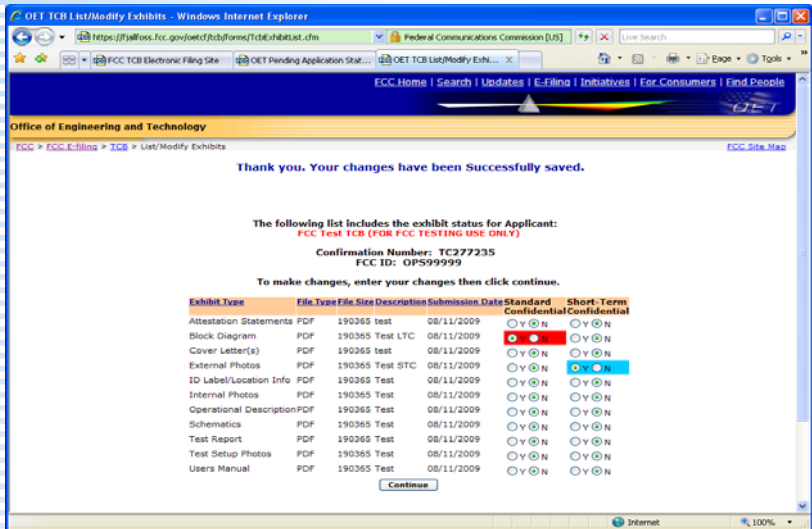
68

The “list/modify exhibits” link is used to change the properties of submitted exhibits. For an uploaded exhibit, which was submitted with the confidential button checked, the button may be unchecked. Short term confidentiality may also be selected or unselected. These feature may be accessed for up to 30 days from the grant date or any time the application is in audit mode. The Form 731 confirmation number is required to modify file properties.

To extend or release short term confidentiality for all attachments in an application the link for “short term confidentiality exhibit maintenance” should be used. The short term maintenance link is accessible until the short term confidentiality is release. The 30 day audit window isn’t applicable for extension and release of attachments but is for modifying attachment properties.

To see a list of attachments and their properties enter the TCB Form 731 Confirmation Number and click on search.

Prior to granting equipment authorization, exhibits may be superceeded. This feature is disabled as soon as the grant is issued.



TCB List/Modify Exhibits Page

Thank you. Your changes have been Successfully saved.

The following list includes the exhibit status for Applicant:
FCC Test TCB (FOR FCC TESTING USE ONLY)
 Confirmation Number: TC277235
 FCC ID: OPS99999

To make changes, enter your changes then click continue.

Exhibit Type	File Type	File Size	Description	Submission Date	Standard	Short-Term Confidential
Attestation Statements	PDF	190365	test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Block Diagram	PDF	190365	Test LTC	08/11/2009	<input checked="" type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Cover Letter(s)	PDF	190365	test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
External Photos	PDF	190365	Test STC	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N
ID Label/Location Info	PDF	190365	Test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Internal Photos	PDF	190365	Test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Operational Description	PDF	190365	Test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Schematics	PDF	190365	Test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Test Report	PDF	190365	Test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Test Setup Photos	PDF	190365	Test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
Users Manual	PDF	190365	Test	08/11/2009	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

[Continue](#)

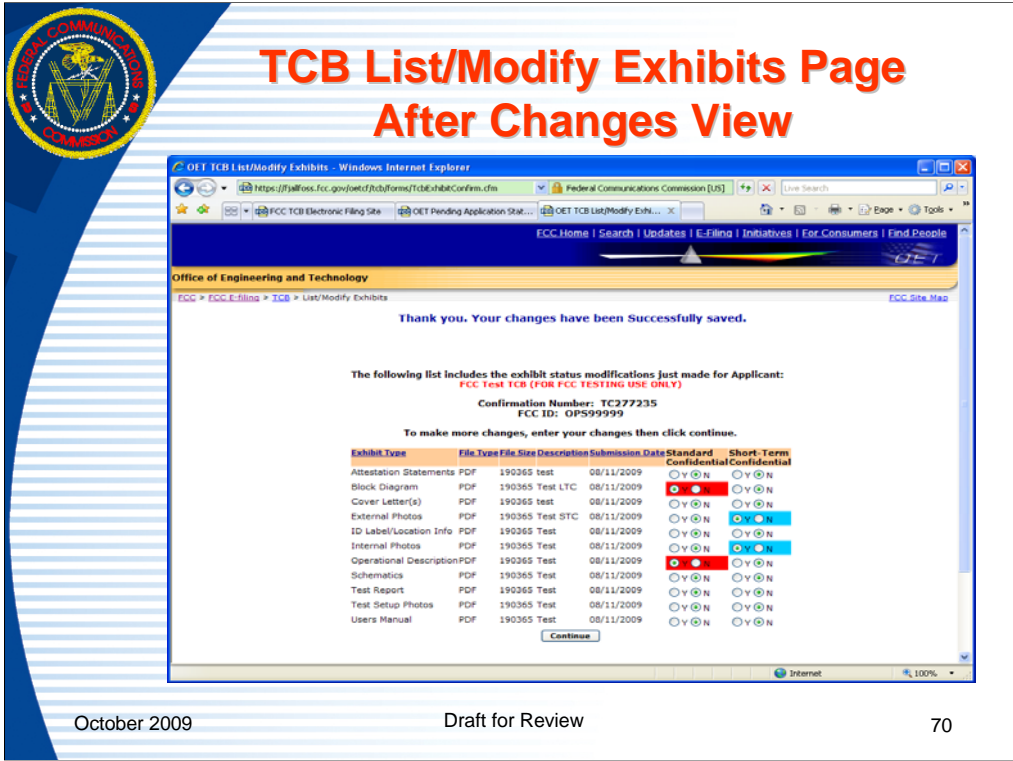
October 2009

Draft for Review

69

This slide shows the list of exhibits for a specific application. Modifications are made by clicking on the appropriate box and hitting the continue button.

Confidential exhibits are highlighted for easier identification.

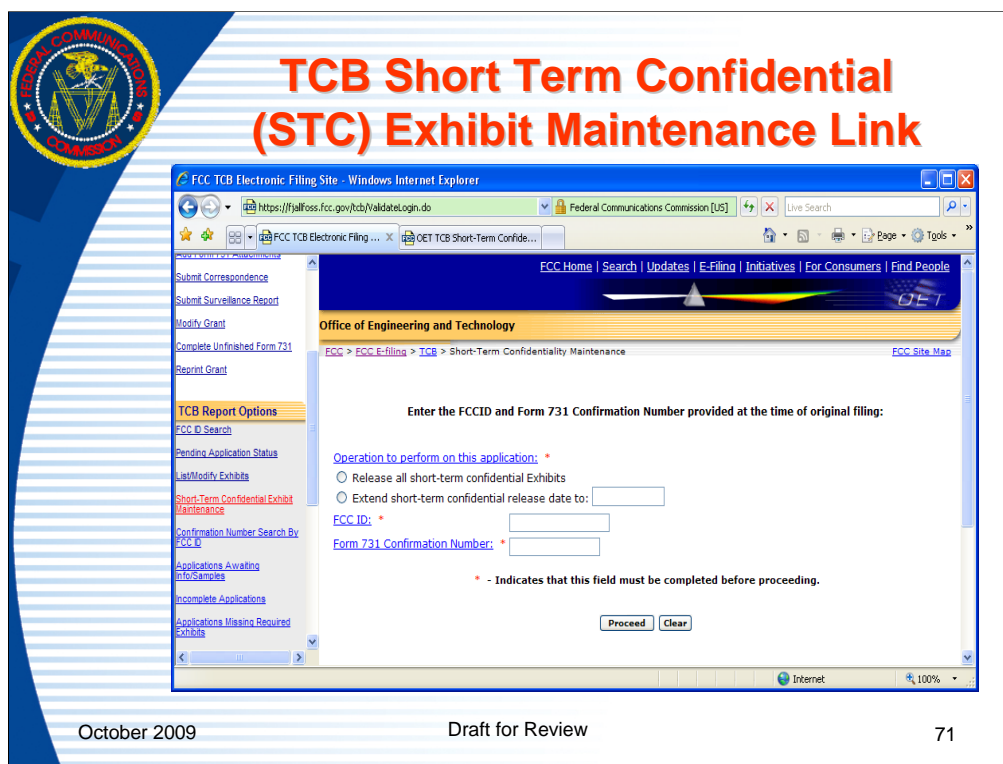


October 2009

Draft for Review

70

After changes are made to the exhibits parameters and the information sent to the FCC by clicking on the “Continue” button, the message at the top of the screen confirms the changes were accepted by the FCC database.



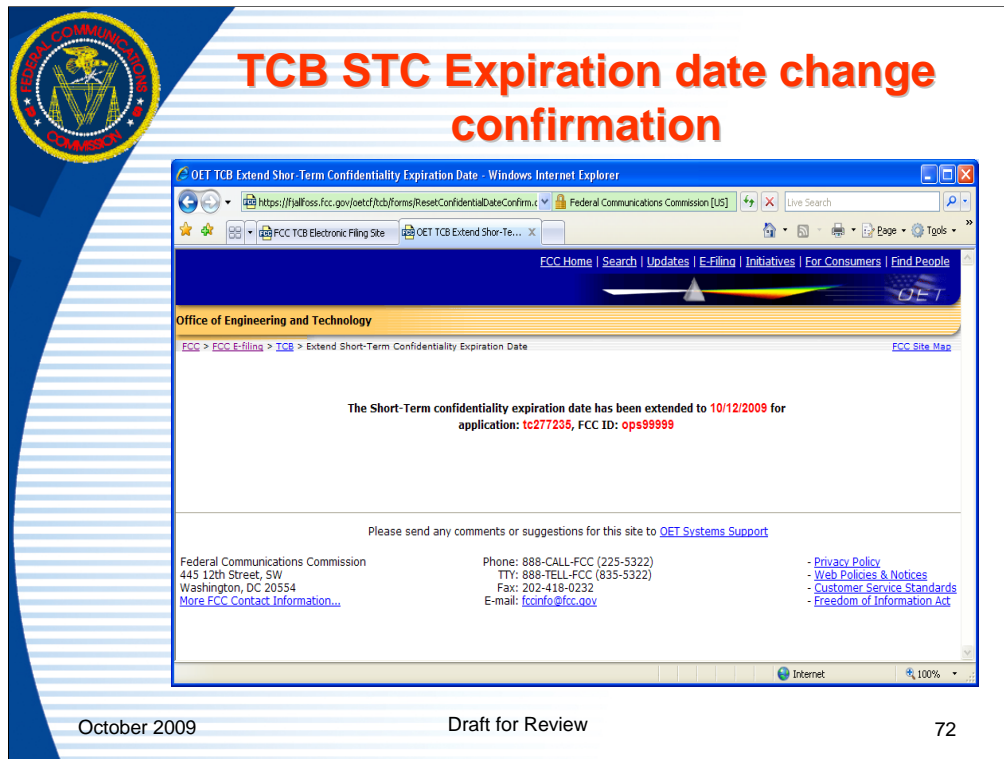
October 2009

Draft for Review

71

For applications where short term confidentiality (STC) is applicable, the TCB may select a short term confidentiality release date for up to 180 days from the grant date or enter a specified date or release the exhibits once the product has been marketed, by using the “short term confidentiality exhibit maintenance link. After the short term confidentiality period has expired the exhibits are automatically become viewable on the website. The maximum allowed short term confidential period is 180 days.

To modify the STC parameters of an application, enter the FCCID and Form 731 Confirmation number, indicated the change, and click the proceed button.



When a valid FCCID and Form 731 Confirmation number are entered for an application with STC, a confirmation message is returned indicating what action was taken.



TCB STC Exhibits Release Confirmation

FCC TCB Electronic Filing Site - Windows Internet Explorer

https://fjallfoss.fcc.gov/tcb/Validatelogin.do

Federal Communications Commission [US]

Live Search

FCC TCB Electronic Filing Site

FCC Home | Search | Updates | E-Filing | Initiatives | For Consumers | Find People

Office of Engineering and Technology

FCC > FCC E-filing > TCB > Extend Short-Term Confidentiality Expiration Date

Short-Term confidentiality has been removed for all attachments effective **Aug 11 2009** for application: **tc277235**, FCC ID: **ops99999**

Please send any comments or suggestions for this site to [OET Systems Support](#)

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
[More FCC Contact Information...](#)

Phone: 888-CALL-FCC (225-5322)
TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: fccinfo@fcc.gov

- [Privacy Policy](#)
- [Web Policies & Notices](#)
- [Customer Service Standards](#)
- [Freedom of Information Act](#)

October 2009

Draft for Review

73

When a valid FCCID and Form 731 Confirmation number are entered for an application with STC, a confirmation message is returned indicating what action was taken.

The screenshot displays the FCC TCB Electronic Filing Site in a Windows Internet Explorer browser window. The address bar shows the URL: <https://fjallfoss.fcc.gov/tcb/ValidateLogin.do>. The page features the FCC logo on the left and a navigation menu on the right. The main content area is titled "TCB Form 731 Confirmation Number Search By FCCID Link" in large red text. Below this, there is a section for "Enter the FCC ID of the desired application(s):" with a text input field labeled "FCC ID:" and "Search" and "Clear" buttons. The footer contains contact information for the Federal Communications Commission, including phone, TTY, fax, and email addresses, as well as links to privacy policy, web policies, customer service standards, and freedom of information act.

TCB Form 731 Confirmation Number Search By FCCID Link

Enter the FCC ID of the desired application(s):

FCC ID:

Last Reviewed/Updated on 12/5/2008

Please send any comments or suggestions for this site to [OET Systems Support](#)

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
[More FCC Contact Information...](#)

Phone: 888-CALL-FCC (225-5322)
TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: fccinfo@fcc.gov

[Privacy Policy](#)
[Web Policies & Notices](#)
[Customer Service Standards](#)
[Freedom of Information Act](#)

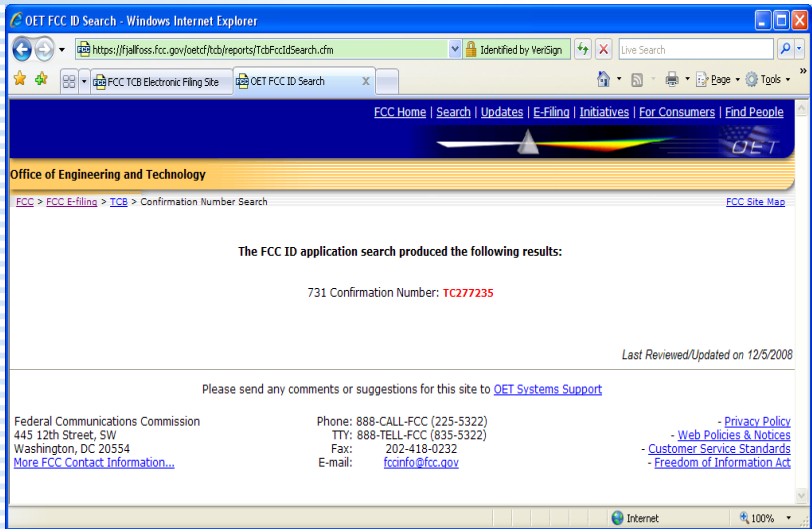
October 2009

Draft for Review

74

In order to find the Form 731 Confirmation Number for a specific FCCID, click on the link for “Confirmation Number Search By FCCID”, enter the FCCID and click the “search” button.

This search will only return Form 731 Confirmation Numbers for applications submitted by the logged in TCB.



The screenshot shows a web browser window titled "OET FCC ID Search - Windows Internet Explorer". The address bar displays the URL: <https://fjallfoss.fcc.gov/oetdftcb/reports/TcbFccIdSearch.cfm>. The browser shows a search bar with "Live Search" and a "Identified by VeriSign" security indicator. The page content includes the FCC logo, navigation links (FCC Home, Search, Updates, E-Filing, Initiatives, For Consumers, Find People), and the "Office of Engineering and Technology" header. The main content area displays the search results for a specific FCC ID, showing a confirmation number. The footer contains contact information for the Federal Communications Commission and links to various policies and standards.

**TCB Form 731 Confirmation
Number Search By FCCID Results**

The FCC ID application search produced the following results:

731 Confirmation Number: **TC277235**

Last Reviewed/Updated on 12/5/2008

Please send any comments or suggestions for this site to [OET Systems Support](#)

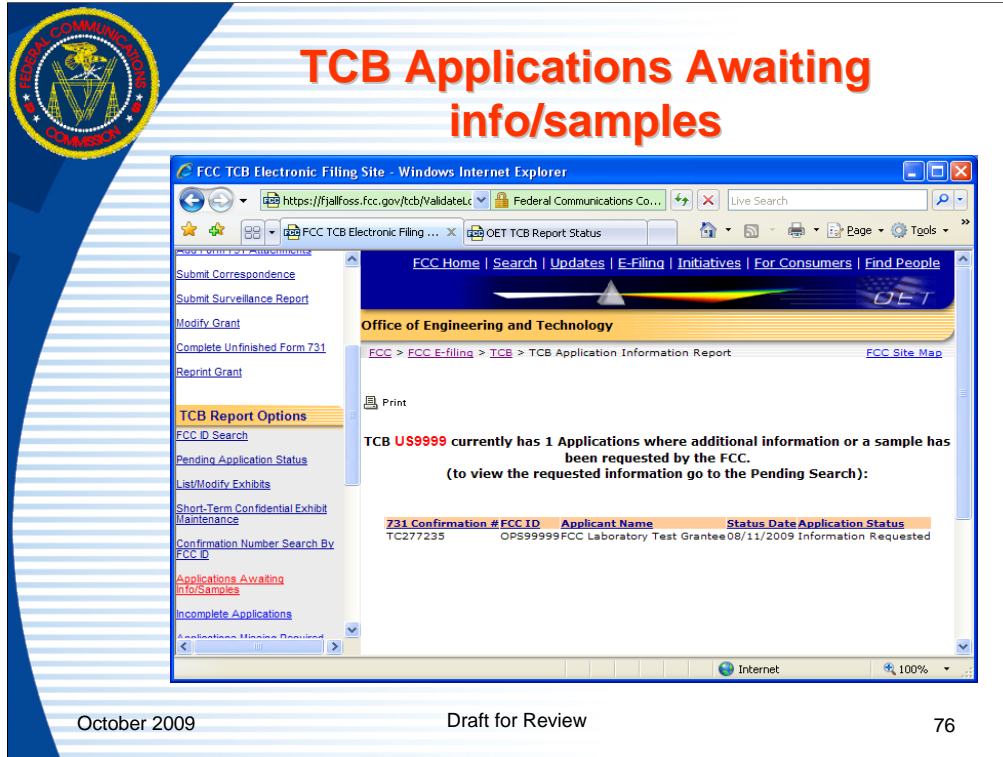
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
[More FCC Contact Information...](#)

Phone: 888-CALL-FCC (225-5322)
TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: fcinfo@fcc.gov

[Privacy Policy](#)
[Web Policies & Notices](#)
[Customer Service Standards](#)
[Freedom of Information Act](#)

October 2009 Draft for Review 75

When a valid FCCID is entered for an application or applications entered by the logged in TCB, the Form 731 Confirmation Number(s) are returned.



TCB Applications Awaiting info/samples

The screenshot shows the FCC TCB Electronic Filing Site in a Windows Internet Explorer browser. The page title is "FCC TCB Electronic Filing Site - Windows Internet Explorer". The address bar shows "https://fjallfoss.fcc.gov/tcb/ValidateLc". The page features a navigation menu on the left with links such as "Submit Correspondence", "Submit Surveillance Report", "Modify Grant", "Complete Unfinished Form 731", "Reprint Grant", "TCB Report Options", "FCC ID Search", "Pending Application Status", "List/Modify Exhibits", "Short-Term Confidential Exhibit Maintenance", "Confirmation Number Search By FCC ID", "Applications Awaiting Info/Samples", and "Incomplete Applications". The main content area displays the "Office of Engineering and Technology" header and a message: "TCB US9999 currently has 1 Applications where additional information or a sample has been requested by the FCC. (to view the requested information go to the Pending Search):". Below this message is a table with the following data:

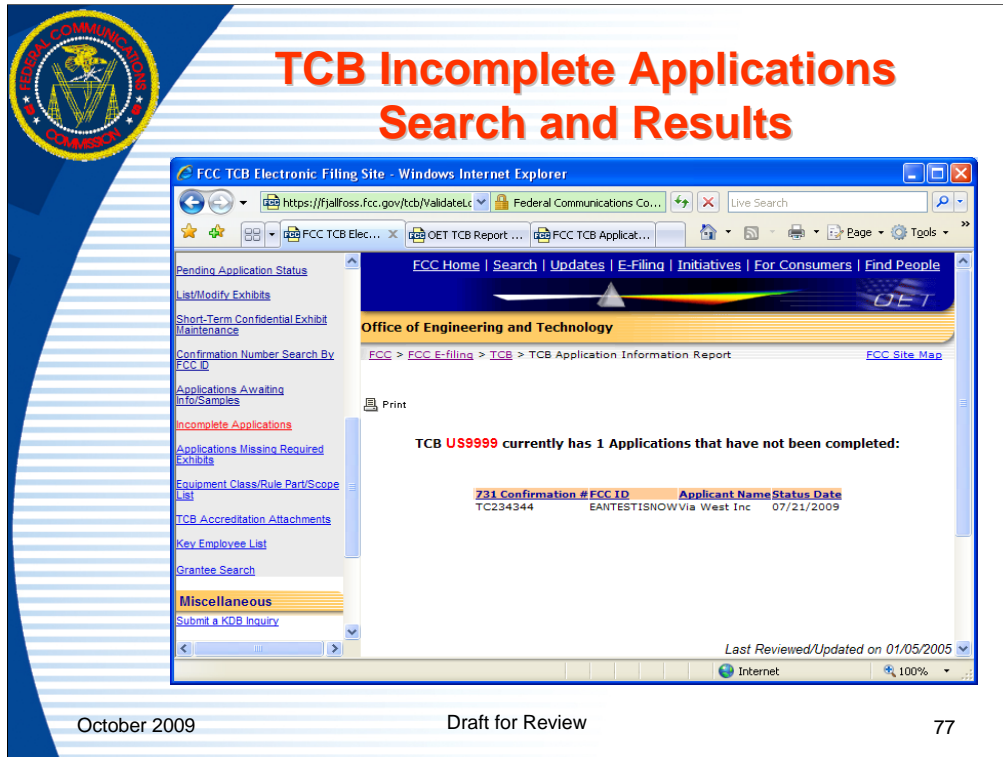
731 Confirmation #	FCC ID	Applicant Name	Status Date	Application Status
TC277235	OPS99999	FCC Laboratory Test Grantee	08/11/2009	Information Requested

October 2009

Draft for Review

76

Clicking the “applications awaiting Info/Samples” link returns a list of all applications for the logged in TCB that have un-responded to information requests or sample requests.



The screenshot displays the FCC TCB Electronic Filing Site in a Windows Internet Explorer browser window. The page title is "TCB Incomplete Applications Search and Results". The browser address bar shows the URL "https://fjallfoss.fcc.gov/tcb/ValidateLc". The page features a navigation menu on the left with links such as "Pending Application Status", "List/Modify Exhibits", "Short-Term Confidential Exhibit Maintenance", "Confirmation Number Search By FCC ID", "Applications Awaiting Info/Samples", "Incomplete Applications", "Applications Missing Required Exhibits", "Equipment Class/Rule Part/Scope List", "TCB Accreditation Attachments", "Key Employee List", "Grantee Search", and "Miscellaneous". The main content area shows the "Office of Engineering and Technology" header and a message stating "TCB US9999 currently has 1 Applications that have not been completed:". Below this message is a table with the following data:

731 Confirmation #	FCC ID	Applicant Name	Status	Date
TC234344	EANTESTISNOW	Via West Inc		07/21/2009

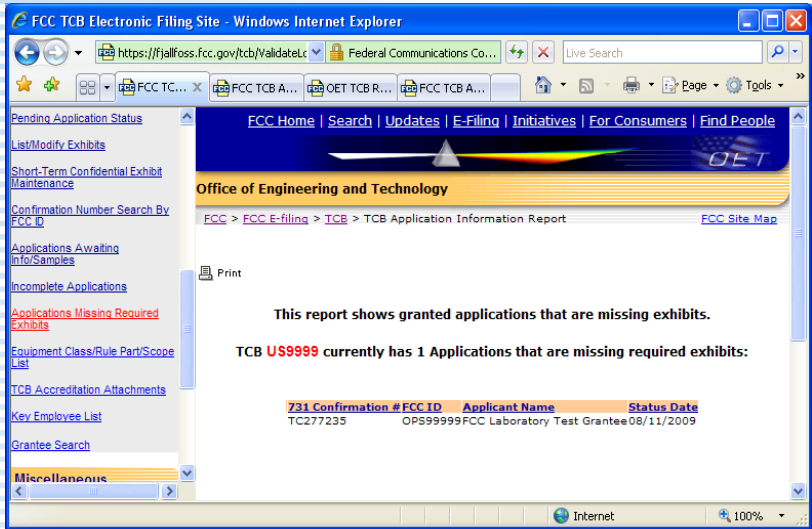
The page footer indicates "Last Reviewed/Updated on 01/05/2005".

October 2009

Draft for Review

77

Clicking the “incomplete applications” link will return a list of all applications associated with the logged in TCB that have a partially completed Form 731 or are completed but not granted.



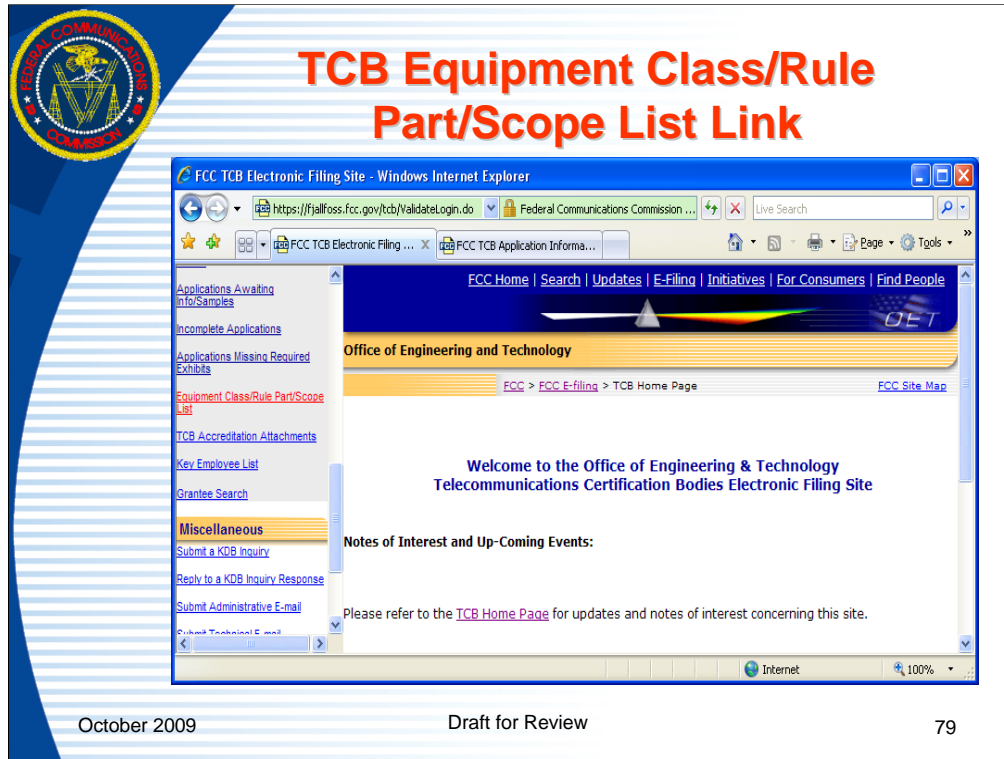
TCB Applications Missing Required Exhibits Link and Results

The screenshot shows the FCC TCB Electronic Filing Site in a Windows Internet Explorer browser. The page displays a report titled "TCB Application Information Report" under the "Office of Engineering and Technology". The report states: "This report shows granted applications that are missing exhibits. TCB US9999 currently has 1 Applications that are missing required exhibits:"


731 Confirmation #	FCC ID	Applicant Name	Status Date
TC277235	OPS999999	FCC Laboratory Test Grantee	08/11/2009

October 2009 Draft for Review 78

Clicking the “applications missing required exhibits” link will return a list of all applications associated with the logged in TCB that have been granted but are missing some of the minimum required exhibits. The content of the uploaded files is not checked in the process, only that an exhibit has been submitted to the proper exhibit type.



The equipment class/rule part/scope lookup table provides a reference for combinations of scope, rule part and equipment class that may be listed on a grant.



TCB Equipment Class/Rule Part/Scope List Results

FCC TCB Application Information Report - Windows Internet Explorer

https://fjaffoss.fcc.gov/tcb/TCBEquipmentRulesReport.do

Federal Communications Commission [US]

FCC Home | Search | Updates | E-Filing | Initiatives | For Consumers | Find People

Office of Engineering and Technology

FCC > E-Filing > TCB > TCB Application Information Report

Print

TCB U59999 is authorized to use the following combination of authorization scopes, equipment classes and rule parts:


Authorization Scope	Scope Description	Equipment Class	Rule Part Number
A1	Low Power Transmitters below 1 GHz (except Spread Spectrum), Unintentional Radiators, EAS (Part 11) & Consumer ISM devices	SCC	1B
		CAK	15B
		CBA	15B
		CVX	15B
		CVY	15B
		DCCD	15C
		DSC	15.231
		DSC	15.231(w)
		DSB	15.231
		DSB	15.231(w)
		DXT	15C
		DXX	15C
		EAD	11
		ETB	15C
		ETX	15C
		FAP	15C
		FDS	15.245
		FDS	15.250
		GAT	15.237
		HID	15B
		JSC	15B
		JSP	15B
		LVPB	15F
		SCC	1B
		CAK	15B
		DSC	15.231
		DSC	15.231(w)
		DSB	15.231
		DSB	15.231(w)
		DXT	15C
		DXX	15C
		SAV	15.231
		FDS	15.245
		FDS	15.250
		UWB	15F
		WBT	15.250
		WBT	15.252
A2	Low Power Transmitters (except Spread Spectrum) and radar detectors operating above 1 GHz		

October 2009

Draft for Review

80

Clicking on the link returns a list of Scope, scope description, equipment class and rule parts that are valid combinations under at least one FCC rule part.



TCB Accreditation Attachments Link and Results

FCC ID Search

Pending Application Status

List/Modify Exhibits

Short-Term Confidential Exhibit Maintenance

Confirmation Number Search By FCC ID

Applications Awaiting Info/Samples

Incomplete Applications

Applications Missing Required Exhibits

Equipment Class/Rule Part/Scope List

TCB Accreditation Attachments

Key Employee List

Grantee Search

Miscellaneous

Submit a KDB Inquiry

Reply to a KDB Inquiry Response

Submit Administrative E-mail

Submit Technical E-mail

TCB Accreditation Attachments currently on file:

View Attachment	Exhibit Type	Description	Date Entered	TCB Name	File Name
test view attachment	Surveillance Reports	test	10/12/2006	US9999	
Prod Test of TCB Init corresp PL forward GT view attachment	Correspondence	Prod Test of TCB Init corresp PL forward GT	10/12/2006	US9999	
Test Prod RAY Please forward to GT view attachment	Correspondence	Test Prod RAY Please forward to GT	10/12/2006	US9999	
[Re-Sent]Email Correspondence generated [Oct 12 2006] view attachment	Correspondence	[Re-Sent]Email Correspondence generated [Oct 12 2006]	10/12/2006	US9999	
[Re-Sent]Email Correspondence generated [Oct 12 2006] view attachment	Correspondence	[Re-Sent]Email Correspondence generated [Oct 12 2006]	10/13/2006	US9999	
[Re-Sent]Email Correspondence generated [Oct 12 2006] view attachment	Correspondence	[Re-Sent]Email Correspondence generated [Oct 12 2006]	10/13/2006	US9999	
test 435 view attachment	Surveillance Reports	test 435	10/12/2006	US9999	
[Re-Sent]Email Correspondence generated [Oct 12 2006] view attachment	Correspondence	[Re-Sent]Email Correspondence generated [Oct 12 2006]	10/12/2006	US9999	
Test attachment for 10132006 mass mailing view attachment	Correspondence	Test attachment for 10132006 mass mailing	10/13/2006	US9999	
test gt view attachment	Correspondence	test gt	10/16/2006	US9999	
[Re-Sent]Email Correspondence generated [Oct 16 2006] view attachment	Correspondence	[Re-Sent]Email Correspondence generated [Oct 16 2006]	10/16/2006	US9999	
[Re-Sent]Email Correspondence generated [Oct 17 2006] view attachment	Correspondence	[Re-Sent]Email Correspondence generated [Oct 17 2006]	10/17/2006	US9999	
[Re-Sent]Scope A1 Notif. Near Exp. Email generated [Dec 5 2006] view attachment	Correspondence	[Re-Sent]Scope A1 Notif. Near Exp. Email generated [Dec 5 2006]	12/05/2006	US9999	
[Re-Sent]Scope A2 Notif. Near Exp. Email generated [Dec 5 2006] view attachment	Correspondence	[Re-Sent]Scope A2 Notif. Near Exp. Email generated [Dec 5 2006]	12/05/2006	US9999	

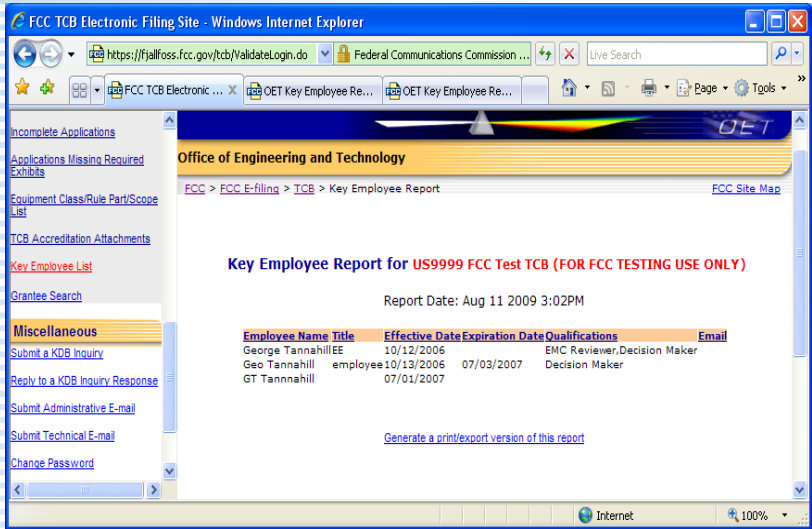
October 2009

Draft for Review

81

A TCB may view attachments that have been uploaded by their designating authority with respect to their accreditation and designation. Attachments may be opened by clicking on the link under “view attachments”.

As is typical on all equipment authorization websites the columns are sortable by clicking on the column header.



TCB Key Employees Link and Results

FCC TCB Electronic Filing Site - Windows Internet Explorer

https://fjallfoss.fcc.gov/tcb/ValidatetLogin.do Federal Communications Commission ... Live Search

FCC TCB Electronic ... OET Key Employee Re... OET Key Employee Re...

Office of Engineering and Technology

FCC > FCC E-filing > TCB > Key Employee Report FCC Site Map

Key Employee Report for US9999 FCC Test TCB (FOR FCC TESTING USE ONLY)

Report Date: Aug 11 2009 3:02PM

Employee Name	Title	Effective Date	Expiration Date	Qualifications	Email
George Tannahill	EE	10/12/2006		EMC Reviewer, Decision Maker	
Geo Tannahill	employee	10/13/2006	07/03/2007	Decision Maker	
GT Tannahill		07/01/2007			

[Generate a print/export version of this report](#)

October 2009 Draft for Review 82

As part of the process for being recognized by the FCC as a TCB, a TCB identifies key personnel such as EMC Reviewers, Decision Makers, General RF Exposure reviewers, SAR Handset trained reviewers and Administrative contacts. The TCB may review a list of the personnel they identified by clicking on the link for “Key employee list”.



Grantee Search Link and Criteria

FCC TCB Electronic Filing Site - Windows Internet Explorer

https://fjallfoss.fcc.gov/tcb/ValidateLogin.do Federal Communications Commission ... Live Search

FCC TCB Electronic Filing ... FCC OET Grantee Search

Office of Engineering and Technology

FCC > FCC E-Filing > EAS > Grantee Search FCC Site Map

Equipment Authorization System Grantee Search

Grantee Information:

Grantee Name:

Grantee Code:

FRN:

Address:

P.O. Box:

City:

State:

Zip/Postal Code:

Country:

Grantee Contact Information:

First Name:

Middle Name:

Last Name:

Title:

Telephone Number:

Extension:

Fax Number:

E-mail Address:

Mail Stop:

Show Records at a Time

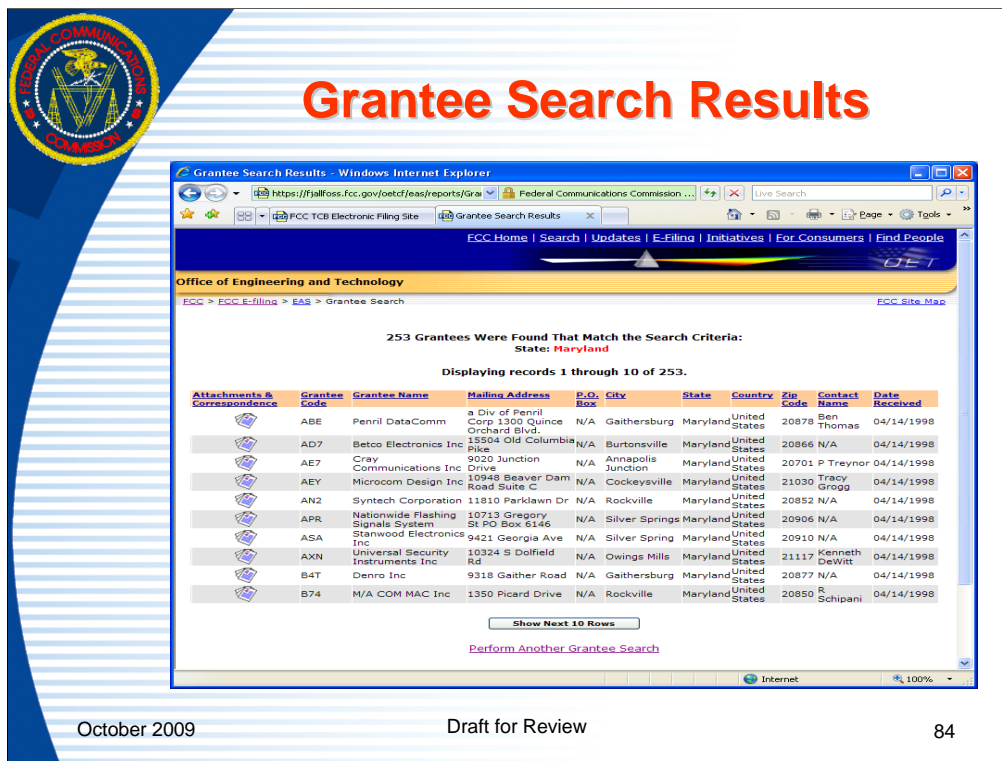
Internet 100%

October 2009 Draft for Review 83

The “grantee search” link allows users to search for grantee information a variety of ways.

Enter the search parameters and click the “start search” button to identify grantees that meet the search criteria.

The number of return results show on the screen may be modified to show more than 10 results by changing the 10 to a number up to 99.



Grantee Search Results

253 Grantees Were Found That Match the Search Criteria:
State: **Maryland**

Displaying records 1 through 10 of 253.

Attachments & Correspondence	Grantee Code	Grantee Name	Mailing Address	P.O. Box	City	State	Country	Zip Code	Contact Name	Date Received
	ABE	Penril DataComm	a Div of Penril Corp 1300 Quince Orchard Blvd.	N/A	Gaithersburg	Maryland	United States	20878	Ben Thomas	04/14/1998
	AD7	Betco Electronics Inc	15504 Old Columbia Pike	N/A	Burtonsville	Maryland	United States	20866	N/A	04/14/1998
	AE7	Cray Communications Inc	9020 Junction Drive	N/A	Annapolis Junction	Maryland	United States	20701	P Treyner	04/14/1998
	AEY	Microcom Design Inc	10948 Beaver Dam Road Suite C	N/A	Cockeysville	Maryland	United States	21030	Tracy Grogg	04/14/1998
	AN2	Syntech Corporation	11810 Parklawn Dr	N/A	Rockville	Maryland	United States	20852	N/A	04/14/1998
	APR	Nationwide Fishing Signals System	10713 Gregory St PO Box 6146	N/A	Silver Springs	Maryland	United States	20906	N/A	04/14/1998
	ASA	Stanwood Electronics Inc	9421 Georgia Ave	N/A	Silver Spring	Maryland	United States	20910	N/A	04/14/1998
	AXN	Universal Security Instruments Inc	10324 S Dolfield Rd	N/A	Owings Mills	Maryland	United States	21117	Kenneth DeWitt	04/14/1998
	B4T	Denro Inc	9318 Gaither Road	N/A	Gaithersburg	Maryland	United States	20877	N/A	04/14/1998
	B74	M/A COM MAC Inc	1350 Picard Drive	N/A	Rockville	Maryland	United States	20850	R Schipani	04/14/1998

[Show Next 10 Rows](#)
[Perform Another Grantee Search](#)

October 2009

Draft for Review

84

Entering the search parameter to find grantees in Maryland and clicking the “start search” button returns all of the grantees in Maryland.

The search results columns may be sorted by clicking on the column headers.

Click the button for “Show next 10 rows” to see the next group of return results or go back to the previous page and change the “Show XX results” to a higher number up to 99 and then re-run the search.